

# Manufacturers Record

## Exponent

## America

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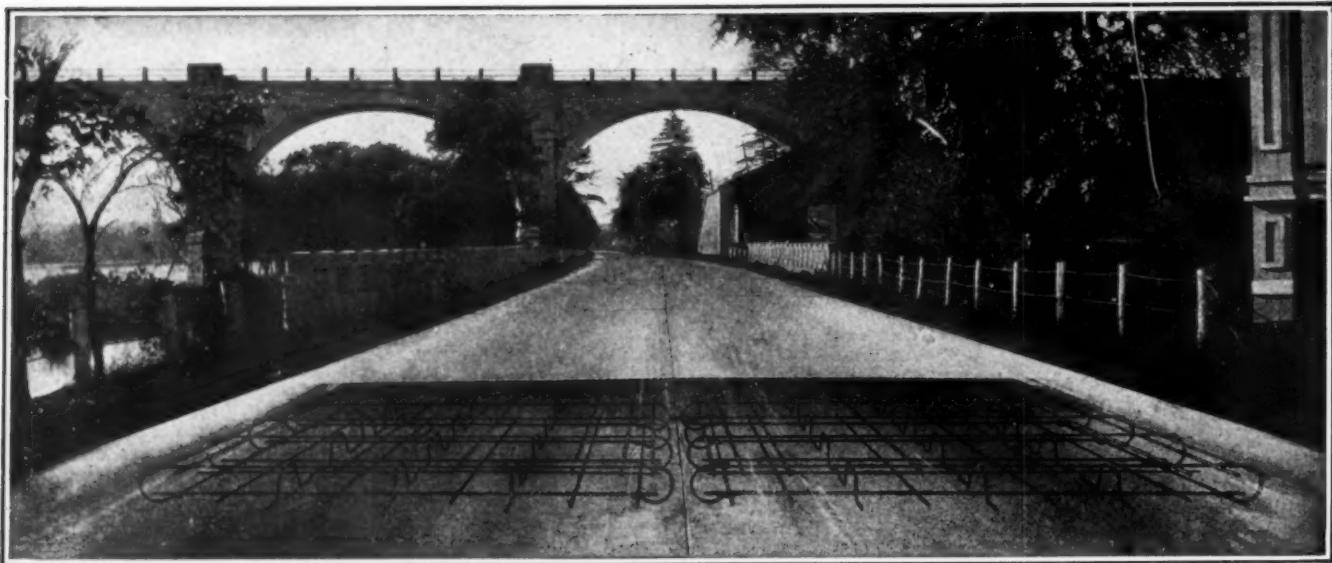
## Great Conventions of Vital Importance to the South.

As this issue goes to press there is being held in Memphis an Industrial Conference under the auspices of the American Mining Congress. Leading men are today discussing various phases of economic questions pertaining to the development of the South. That convention ought to set the pace for the whole South to begin a more active and aggressive campaign for the development of its mineral interests and all industries connected therewith. The story which we are giving today in regard to the convention will be followed next week by a bird's-eye view of other features connected with the closing sessions.

Another convention of tremendous moment to the South is that of the National Foreign Trade Council, which will be held in Charleston, S. C., April 28, 29 and 30. This is the first time the Foreign Trade Council has ever met in the South. Last year's session was held at Seattle, where it aroused such general attention on the Pacific Coast that 1100 delegates were in attendance. Equally as many should be at the Charleston meeting—perchance even more, for the whole South is vitally interested in the development of its foreign commerce, exports and imports alike. With three-fifths of the coast line of the United States, with its great industrial development making rapid progress, with its foreign trade growing in a significant way, indicating that the South is to hold a dominating position in this country for the export trade of the South and the West seeking an outlet through Southern ports, the South is vitally interested in seeing that the Charleston meeting is made one of the outstanding events of the year in Southern business life.

Every concern in the South interested, directly or indirectly, in the development of the South's foreign trade should in some way be represented at the Charleston meeting. It is appropriate that Charleston, one of the oldest, and in the early days of this country one of the most ambitious, ports in the United States should have this convention. The farseeing men of Charleston long before the Civil War projected the building of a railroad from that port to Cincinnati, realizing the tremendous possibilities, if such a line could be constructed, of trade from the West through the South to foreign lands. Of late years Charleston has taken hold of this foreign trade situation with the enthusiasm of antebellum days. It behooves the people of the whole South to be represented there and by the attendance and enthusiasm created stir the entire country to realization of the fact that the South is determined to get its full share of the trade of America with the outside world. The co-operation of the railroads and of the business people of the South generally should be given unstintedly to the National Foreign Trade Council meeting and to co-operation with Charleston in handling it.

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MARCH 18, 1926

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EXONENT OF AMERICA

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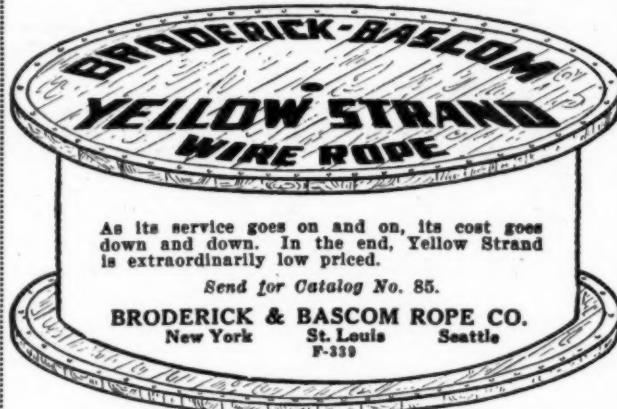
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# Manufacturers Record

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Weekly }

BALTIMORE, MARCH 18, 1926.

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## The Annual Convention of the Foreign Trade Council at Charleston of Far-Reaching Importance.

THE export trade of the South for 1925 was over four times the total export trade from the Pacific Coast. Two Southern ports each had a much larger export trade than the combined exports from all Pacific ports.

It is well, therefore, that the National Foreign Trade Council, officered by some of the strongest business men of the country, should hold its annual meeting this year at Charleston, S. C., one of the oldest ports of the South and one which has been rapidly coming to the front of recent years.

The enthusiasm which marked last year's meeting at Seattle and brought an attendance of over 1100 men to that meeting should be more than duplicated in the South. With its vast stretch of coast line, with its many harbors and its growing commerce outward and inward alike, the South should take hold of this Foreign Trade Council convention with such enthusiasm as marked the meeting in Seattle, and as much greater in proportion as the South itself is greater than the Pacific Coast country.

The entire South should be represented. The meeting is of as much interest to the commercial interests of Texas and Louisiana and Alabama and other Southern states as it is to Charleston itself. Charleston is merely the gathering point; and while it will necessarily reap great benefits from this convention, these benefits will not be confined to that port only, but will extend to the entire South and the West as well.

This convention will bring into the South some of the foremost foreign-trade merchants of the United States. It will crystallize the attention of the country upon the ramifications of our foreign trade and stimulate greater interest in its development.

This country will have to meet many problems in the further development of this foreign trade. Every other exporting country on the globe is striving to advance its foreign commerce and to meet in vigorous rivalry the growing export trade of the United States. Problems of financing foreign trade, problems of how best to develop it, how to create friendships with foreign lands, how to push our exports of manufactured and agricultural products in competition with those of other countries, will all command the attention of the men gathered at this Charleston convention.

Many men who will be in attendance have comparatively little knowledge of the greatness of the South's foreign trade and of the opportunities for enormously expanding it. Many of them have so long thought of New York, and Boston, and Philadelphia, and Baltimore as the exporting centers of the country that they have scarcely realized how rapidly Southern commerce is expanding and what excellent facilities are

being provided for shipments of the products of the West and of the South alike.

The very romance of Charleston's history, the charm of its climate, the enthusiasm with which its people have taken hold of the handling of this convention, the broad opportunities which will be presented for studying the South, and the meeting of Southern, and Western, and Northern men will make this convention one of the most important held in the South for many years.

The National Foreign Trade Council is a great organization. It has been doing an important work ever since it was organized. In holding its first meeting in the South it is doing so with a view to bringing the South and other sections into closer touch and into broader acquaintanceship with the possibilities and the problems confronting our foreign trade. Every chamber of commerce in the South should be represented by an alert, active man of influence who can carry back to his home town the spirit of this convention and the lessons to be learned from it. Southern business men generally, cotton manufacturers, iron and steel producers, lumber shippers and others should be represented at this convention in order that they may gain additional knowledge as to the best means of developing their foreign trade.

Measured by the standard of European countries in classing as a part of their foreign commerce the export and import business with their colonies, the United States today outranks every other country in the world in the magnitude of its foreign trade. There is, however, almost limitless room for expansion. The whole world is being opened up by modern methods of development. Mexico, South America, Africa and the Orient are all taking hold of industrial operations and railroad building on a scale which insures an ever-expanding market for the products of this and other manufacturing countries and likewise for many lines of agricultural products.

The National Foreign Trade Council, with its annual meetings, creates a gathering place for the study of all of the questions connected with the handling of our foreign trade and its further development. Its Charleston convention during the last three days of April should be the best one it has ever held. Whether this be accomplished or not will largely depend upon the co-operation and enthusiasm of the people of the South and the West, for these two sections must forever be intimately related in their foreign trade. Through Southern ports should flow much of the commerce of the West. Through Southern ports should flow the exports of Southern products and imports for the South and West.

We are just beginning on an adequate scale the development of the transportation facilities by rail and water needed

for the largest upbuilding of this foreign trade. For years this business was almost completely dominated, both as to railroad and steamship lines, by New York. The South and Southern railroads are breaking away from this power of New York banking, railroad and steamship interests, and, through the influence of this convention in bringing to the attention of the public the facilities afforded for export and import trade through Southern ports, a larger expansion than we have yet seen of Southern commerce should be rapidly hastened.

No one need for a moment doubt that Charleston will do its full part in making the convention a notable success and in handling the whole situation with a dignity and a hospitality worthy of that wonderful old city, unquestionably destined to become one of the more important commercial centers of the entire country.

Bearing directly on the importance of the convention, and making all the more timely its being held in the South, is a statement made a few days ago by Dr. Julius Klein, director of the Bureau of Foreign and Domestic Commerce, to a committee of the House of Representatives. In that statement Dr. Klein warned the United States of the efforts of other countries to capture our foreign trade. In the course of his statement he said:

"The outstanding problem in this connection is the coming conflict for foreign markets attendant upon the economic recovery of our European competitors. Every one of our overseas rivals has launched an aggressive drive against our export markets, and the pressure of these campaigns is already being felt by our exporters in many important trades, especially in Latin America and the Far East.

"If our exporters are to hold their own, they must urgently require the maximum amount of co-operation from this bureau. Our European rivals are mobilizing for this effort every possible element of strength. Their Governmental, trade and diplomatic agencies, banks and shipping services are being rapidly expanded for this purpose.

"There can be no doubt about the aggressiveness of the attack; it is a thing to be expected, and it is not to be criticised, because it is perfectly logical. However, we would be foolhardy, to say the least, if we ignored the assaults being made upon the trade that we have been enjoying for a number of years.

"Some countries are directly discriminating against the United States through higher duties on goods from the United States than on similar goods from other foreign suppliers."

Here are problems which should be faced at the Charleston meeting in order that we may not only protect the trade we have, but plan for much larger expansion.

#### THE TESTIMONY OF A MANUFACTURER AS TO THE VALUE OF PROHIBITION TO EMPLOYERS.

Ashland Fire Brick Company.

Ashland, Ky., March 6.

*Editor Manufacturers Record:*

I want to commend you for your sound and sensible stand on the subject of Prohibition.

No man who has handled several hundred employees as I have for 20 years under pre-Volstead and post-Volstead conditions could truthfully say that Prohibition is a failure.

Our men are happier, more efficient and their families better cared for under the present conditions. Many of them now own homes, whereas before the Eighteenth Amendment went into effect they could not more than pay their bar bills.

The MANUFACTURERS RECORD is one of the most positive forces for good in America today, and a safe leader in both spiritual and industrial matters, and a very large proportion of our citizens know it.

With best wishes for your continued success, I am, etc.

E. H. GAETRELL, General Manager.

#### REVELATIONS OF SECRET INTRIGUES AND GENTLEMAN'S AGREEMENTS IN LEAGUE OF NATION MATTERS.

WARNINGS innumerable against the secret diplomacy of Europe in which we would necessarily be involved if ever we enter the League of Nations or become a member of the World Court have been given by the MANUFACTURERS RECORD from the day when these projects were first started. The wisdom of these suggestions is shown in the chaotic condition in the League of Nations situation as at present.

According to a dispatch to the New York World it now turns out that Sir Austen Chamberlain, British Foreign Secretary; Premier Briand of France and the Polish delegate during the conference at Locarno entered into a secret gentleman's agreement that Poland should have a permanent seat in the League of Nations Council simultaneously with Germany, and made this agreement in order to secure the co-operation of the Polish representative in the Locarno deal.

Here is another illustration, and many are constantly coming to the front, of the secret diplomacy with which Europe has always seen cursed and apparently always will be. This secret gentleman's agreement, which the other signatories to the Locarno agreement did not know about, is an apt illustration. It was evidently intended to be kept secret and to slip Poland into the council of the League of Nations through the influence of France and Great Britain. But all of this has been upset by the demand of Brazil and Spain to be members of the Council. If it had not been for this friction, the secret agreement would probably never have been known to the public.

It is impossible for the United States to deal with such diplomacy without getting scorched. We are being asked to pull the chestnuts out of the fire wholly for the benefit of other countries which want to use us as a cat's paw in such operations. Surely the fact of the revelations that are now coming to the front in connection with the League of Nations and the World Court ought to make the people of this country devoutly thankful that they did not enter into the former and devoutly pray that they may be saved from being drawn into the latter.

#### FLORIDA TO BE REPRESENTED AT THE SOUTHERN EXPOSITION.

A. COULT, general secretary of the Florida State Chamber of Commerce, advises the MANUFACTURERS RECORD that on March 10 he signed a contract with President Sirrine of the Southern Exposition for Florida's participation, covering a space of between 4000 and 5000 square feet.

The selection of the actual space is being left to Clement S. Ucker, director of development, Seaboard Air Line. Mr. Coulter says:

"Our desire to have Mr. Ucker make the selection was based on anticipated participation of the Seaboard Air Line Railway, and we thought it would be advisable to have their space in close proximity to the space Florida will occupy."

#### OKLAHOMA'S PRODUCTIVITY.

IN a letter to the MANUFACTURERS RECORD from Charles N. Gould, director of the Oklahoma Survey, referring to his own state, he said:

"We are still growing. The last statistics show approximately \$400,000,000 per year from minerals, \$400,000,000 new wealth per year from agriculture and \$400,000,000 new wealth per year from manufacture, which I take it might be considered a well-balanced ration and not so bad for a state not yet of age."

# The Mud Tax in Georgia Said to Exceed All Other Taxation Combined.

A FEW days ago a well-known New York business man, returning with his wife from Cuba, stated to the writer that while in Havana on a crowded street a car bearing a Georgia license was seen, and almost instantly there went up a shout of derision, and from many directions a cry to the driver of the Georgia car: "Why don't you give us decent highways in your state?"

A few days thereafter he was in Miami, and almost identically the same thing was repeated when a car with a Georgia license passed along the street of that ever-growing city. He was told that it was a common occurrence, when a Georgia car was seen, for people from all parts of the country who had tried to motor through that state to hoot the driver and yell in derision at the state that permitted its roads to be as well-nigh impassable as many of the roads of Georgia are.

Under the circumstances it is not to be wondered at that motorists from other states passing to and fro in Georgia do not stop by the wayside any longer than is absolutely necessary. Indeed, the wayside with them is often a mud hole through which they try to force their car, calling down many imprecations upon the state which permits its highways to be in such an abominable condition.

"Some years ago," said the New York man, who, by the way, is deeply interested in the progress of the South, "Georgia had fairly good roads as compared with other states," and to this the writer can personally testify, for he often motored through parts of Georgia. But the fairly good roads have been permitted to go to pieces; mud roads have become worse and worse, and the writer long since abandoned any effort to drive a car through Georgia, because while in some places there are stretches of fairly good roads, there are in many places abominably bad roads, which make one forget that he ever struck a good piece of road in the state.

Governor Walker has called a special meeting of the legislature to consider the road question, and on the strength of that leading business men in Atlanta are carrying full-page advertisements in some of the local papers pleading with the people of the state to demand a system of highways worthy of Georgia's resources. Under the heading of "Prosperity Awaits Repeal of Mud Tax," one advertisement carries the following statements:

## PROSPERITY AWAITS REPEAL OF MUD TAX.

### Visitors Impressed With Georgia, but Are Investing Where Road Improvements Bespeak Progress and Growth.

"It is conservatively estimated that the two million out-of-state cars that travel through Georgia from north to south and east to west each year carry six million persons.

"It is attested by every individual who has had contact with any number of these visitors that Georgia has made a wonderful impression upon them in every respect save roads, and possibly schools.

"Many of them are more appreciative of Georgia's productive soil, adequate rail transportation facilities, healthful-livable-year-round climate and undeveloped resources than are we Georgians.

"But where one has the courage to invest with us in the face of our inadequate fair-weather roads, thousands are

turning thumbs-down and dismissing the opportunity with the assertion that Georgia must show a constructive road-building program under way or financed before her gold glitters sufficiently to attract their investments.

"Most of these persons are from states that were once in worse condition for roads than we are today. Many of them opposed the building of roads in their states, thinking they would cause an added tax burden.

"But the roads came in their home state.

"They saw their realty holdings double and treble as if by magic.

"They found that road building repealed a mud tax many times more expensive and irksome than gasoline tax for road building.

"They found that the gas dollar took them further than it did before, even though a part of it did go into roads.

"They found their automobile and tire dollar served better and longer.

"And now that they have seen the value of roads, the savings they effect, directly or indirectly, in every walk of life, the development that invariably follows the concrete mixer and steam roller, they are not content to live or invest in any community that does not have roads, or have them provided for and in process of construction.

"The eyes of the world are on the Southeast and Georgia. Shall we arrest their attention and attract their investments with a declaration of independence from the mud tax—the greater tax in dollars and cents than all other taxes levied in the state?

"As yet, our representatives have not given us an opportunity to speak for ourselves on this all-important subject.

"Governor Walker has seen fit to call a special session of the legislature to consider this and other matters. The call has gone out. The legislature must assemble. The cost of this must be paid, whether anything is accomplished or not.

"Let's accomplish something.

"See or write your representatives today.

"Tell them that you want them to provide some means of making it possible to use the state's credit to build permanent roads, and build them quickly.

"Let them know that you see the economy and wisdom of paving the way for an era of prosperity that will pay for good roads many times over.

"Let them know that you want the six million visitors entering the state each year to give us favorable instead of unfavorable advertising when they discuss their trip with fifty million other people.

"Today is the day.

"You will be even more busy tomorrow."

Florida is collecting from state automobile licenses and a gasoline tax \$11,000,000 a year, which is going into highway work, less the small cost for collection, and to the everlasting credit of state officials the \$8,000,000 of gasoline tax costs only \$5000 for collection.

Georgia, with many advantages for business development of every kind; with a superb climate, in some sections, for winter visitors, and in some for summer visitors, lags behind in many respects as compared with Florida, and largely because of its bad highways.

Georgia duplicates in many respects North Carolina. Its area is 6839 square miles greater than that of North Carolina. Its mountainous regions are beautiful and with a glorious summer climate. Its coast country has such a superb winter climate that many of the richest men in America have their winter homes on the islands that skirt the Georgia coast. Its Piedmont section is equal, we believe, in every respect of natural advantages to the Piedmont section of North Carolina.

Atlanta, with an earlier start after the Civil War, is far and away in population and wealth and business ahead of Charlotte or any other North Carolina city. But North Carolina is beating Georgia in material growth and in educational advancement, and in attracting outside capital. Wherever in the North or West one travels he finds that North Caro-

lina's good roads have given to that state almost as much favorable comment as Florida, with its splendid publicity, has secured.

There is not a single reason why Georgia should not have kept its early pace and continued to lead North Carolina and every other Southern state in progress except for its red-hot, rotten politics, the bitterness and vituperation which was long carried on between its politicians, and the failure of its people to measure up in activity and initiative and enterprise to what the people of North Carolina have done in highway building. Inherently they are equal to North Carolina people, but they have left their latent energy and their talents to a considerable extent unutilized as compared with what North Carolina people have done, and the result is that North Carolina has run far ahead of Georgia.

In no respect is this more pronounced than in highway building and in educational advancement. The highway building of North Carolina in the last five years has revolutionized that state. It halted the depression in 1920 and 1921, when every other state went through a period of industrial and agricultural poverty. It stirred and stimulated the enthusiasm of the people of North Carolina and spread to all the world to such an extent that the story of that state's activity was as widely heralded as the story of Florida's.

Georgia now faces a crucial period in its history. If at the coming meeting of the legislature Georgia should again refuse to issue bonds in sufficient quantity to build highways on as large a scale and as rapidly as North Carolina did, it will continue in the dumps, and thousands and tens of thousands of people who with good highways would invest in Georgia, and many of them become settlers there, will pass on to some other state.

With its magnificent resources in soil and minerals and timbers, its splendid geographical location, the superb achievements of some of its great business leaders, the growth of such cities as Atlanta and Macon and others, surely the people of Georgia will not be recreant to their responsibilities and their opportunities, but will unitedly demand of the legislature a comprehensive scheme for the building of highways and for educational advancement which ever follows such work.

Montgomery county, Alabama, but a few years ago was a region of mud roads and poor school facilities. With the superb highway system it now has, it has become recognized by the leading educators of the country as the most advanced county in the United States in educational facilities made available by good highways, and free motorbus transportation to and from school to every child in that county, however far back in the country he may live.

What Montgomery county has done in highway building and educational advancement, what North Carolina has done in both respects, Georgia can do if its people have the grit and the determination and the vision to carry forward highway building and educational upbuilding, for they go hand in hand. One cannot exist without the other. Bad highways are a deterrent to education, and lack of education facilities are a deterrent to highway building. Good highways are in themselves an educational power, and there comes a reflex action from advanced educational work which broadens the vision of children and of men and women, and enhances the progress and prosperity of every community in which they exist.

In this situation there is a call to men and women of Georgia to lead in a mighty crusade to lift their state out of mud, materially and educationally.

SIR ALFRED YARROWS, at the age of 84 years, suggests "dance cars" for railroad trains, apparently oblivious of the fact that on many roadbeds there already are dance cars, strongly suggestive of St. Vitus.

#### A SHORTSIGHTED RAILROAD BLUNDER.

NOT since the days of an illustrious railroad pioneer has the sentiment, "The public be damned," been so emphatically expressed as in the course of a motion filed with the Interstate Commerce Commission by the railroads opposing intervention by the American Publishers Conference in the railway mail pay case. As expressed by counsel for the carriers:

"The business of collecting, handling and distributing the mails, as carried on by the United States Postal Service, has always been and still is a monopoly of the United States Government, in which neither the American Publishers Conference nor any other person has any interest or participation."

In short, the railroad management of the country, as distinctly differentiated from the shippers and other patrons of the roads in any manner—the public—and from even the stockholders of the roads, contemptuously says to all the component parts of the great general public, "This is none of your business; keep out."

To concede the first assertion, that "the business of collecting, handling and distributing the mails is a monopoly of the United States Government," it is high time the railroad management realized the fact that the people of the United States are the United States Government—the Postoffice Department is merely an agency of the people through which they handle their own mail service, just as the Congress, or legislative branch of the Government, is the agency through which the people transact their legislative business. This Republic is not an oligarchy through which a few individuals as incumbents of Governmental offices rule the people; it is a government of the people, by the people and for the people.

And just as the Postoffice Department is an agency of the people, themselves, so is the Interstate Commerce Commission. That any group of the American citizenry should not be fully entitled to lay before one of the public agencies any subject, even involving one of their own other public agencies, is unthinkable. The Interstate Commerce Commission was not created to deal solely with the railroad managements, but also to give the people opportunity to present any railroad questions, be they of rates or service or of any other nature, to an agency qualified and competent to handle the public's business in railroad matters, for it.

In the official definition of the "official duties" of the Interstate Commerce Commission it is written:

"The Act to regulate commerce requires all rates to be just and reasonable, and prohibits unjust discrimination and undue or unreasonable preference or advantage in transportation rates or facilities. \* \* \* The Commission has jurisdiction, upon complaint or in a proceeding instituted upon its own initiative, and after full hearing, to determine and prescribe reasonable rates," etc.

Not a word here is said about *ex parte*, far less star chamber, hearings and decisions—no provision is made that the Commission shall decide what rates may be just and reasonable on the arguments of the railroads alone. The Commission has jurisdiction only after "full hearing," and to deny any part of the public opportunity to be heard is at least inferentially and logically prohibited.

Furthermore, the Railway Mail Service Pay Act, in this official definition, "empowers the Interstate Commerce Commission to fix and determine fair and reasonable rates and compensation for the transportation of mail matter by railway common carriers and services connected therewith, prescribing the method by weight or space, or both, or otherwise," and in 1919 this jurisdiction was extended to even "urban and interurban electric railway common carriers."

Are the railroads alone to be permitted to argue in "full hearings" on "fair and reasonable rates and compensation for the transportation of mail matter by railway common carriers"? Have the shippers—in this case, the publishers—

no right to present their views? Have the intelligent readers in the land—the consignees—no standing before their own agency, professedly created for the protection of the general public? Keen and cunning lawyers may find technical answers to these questions, debarring the public, or any group of the public, from justice; but the spirit of the law and its very purpose outweigh all such technical objections.

"The petitioners (that is, the railroads) and the United States are the only parties in interest, and the statute makes no provision for the intervention of any other persons whomsoever," adds the railroad managements' brief. Right; "the petitioners and the United States" alone are at interest. But, who, pray, is "the United States"? Is the United States merely an executive department in the people's Governmental machinery—a department headed at the moment by certain individuals—or is it "we, the people"? This is a typical splitting of hairs in the technical objections by the railroads.

We print a further extract from the railroads' brief:

"The only grounds upon which the petition of intervention of the American Publishers Conference is based are that an increase in the compensation to be paid by the railroads *might result in an increase in postage rates to be paid by the general public, including members of the American Publishers Conference* (italics ours), and because of the possible effect of an increase in salaries to postal employees."

The fact that the proposed rates might result in an increase in postage rates for the publishers, as asserted by the railroads, is in itself sufficient to entitle them to intervention in the case as one of the component groups of the public at large. The fact that the proposed rates might result in an increase in postage rates to be paid "by the general public" makes the argument in behalf of intervention conclusive. The railroads confess that not only a part of the general public, but all the general public, is intimately interested in this case; yet at the same time they unblushingly argue that the railroads and "the United States"—that is, the Postoffice Department—are the only parties in interest." The jewel of consistency appears to be of paste.

"It is a well-known fact that the Postoffice Department has been operated for many years at a deficit," say the railroads. And what, above all things, has imposed that deficit? Can it have been the rates imposed by the railroads?

In conclusion, the railroads respectfully submit that the law "does not contemplate intervention by such parties, but provides for a special statutory proceeding in which the only parties shall be the United States or the Postmaster General thereof, on the one hand, and the railway common carriers transporting the mails, on the other, which alone have an interest in the subject-matter thereof." The answers to this untrue statement are easy: First, the United States is the people of the United States; second, the railways thus contradict their own statement to the effect that the proposed rates may result in an increase in postage to the general public. If that doesn't give the general public an interest, with consequent right to intervene, what does?

It is hard to believe that the sentiment, "The public be damned," should still be the railroads' principle and policy. The Interstate Commerce Commission was created because of the operation of that policy, and continuance of that policy even might in time bring that supreme evil—Government control or ownership of the railroads.

#### PREDICTIONS COMING TO PASS.

**G**OVERNOR CLIFFORD WALKER of Georgia in a letter to the MANUFACTURERS RECORD writes:

"Permit me to call your attention to the fact that Savannah, Brunswick and all other south Georgia cities are rapidly developing and are realizing the predictions of the MANUFACTURERS RECORD."

#### AN APPEAL IN BEHALF OF THE CHILDREN OF THE NATION.

**T**O the work of the Near East Relief Association in trying to save the children of Armenia and adjacent territory the people of this country have contributed over \$80,000,000. It is a blessed work. It has meant the saving of the lives of tens of thousands of children who without its help would have died from the appalling poverty resting on that Eastern land since the World War. The appeal for the relief of these children has touched every heart in America that is not dead to all humanity.

But there is an appeal which should touch the heart of every American in behalf of the millions of children in this country. Hundreds of thousands of American children under the curse of the liquor traffic lived in sorrow and woe almost as great as that which rested upon the children of the Near East. Hundreds of thousands of American children suffered for lack of food and clothes, because the money earned by their fathers was spent in the saloon. They lived in terror of the coming home of drunken fathers. Their lives were embittered by the sorrow and suffering and poverty which they and their mothers had to endure.

An appeal for these children, and for all of the children of the land of the present day and of the years to come, should touch every heart that is not deaf to the appeal of the little child. Christ, Himself, said, "Suffer the little children to come unto me, and forbid them not, for of such is the Kingdom of Heaven." Down through the ages childhood has appealed not only to fathers and mothers, but to all who realized something of the infinite possibilities wrapped up in childhood—childhood typified in the fact that God Almighty, through His only begotten Son, enwrapped Himself in humanity and came down to earth in the form of a baby in order that in this way He might come closer to the heart of humanity.

Last week we published an interesting letter from a New York man, whose name he requests we should not divulge, sending a check for \$50 for the distribution in pamphlet form of the letter by Henry M. Leland in favor of Prohibition. The same friend of children sends another check for \$50 for the same good cause, and appeals to the people of the country in a letter in behalf of the little child. We give it in full with the hope that those who are opposing Prohibition will awake to a realization of the fact that in fighting Prohibition they are doing their utmost to destroy child life, to bring back suffering and poverty, misery and sin, degradation and dishonor to the children of the land whose fathers would find in the wide-open saloon conditions the same temptation that they found in former years to spend in the saloon every dollar which should go to the care of the children and the mothers. Again our unknown friend desires that his name should not be made public, but here is his letter:

"Your kind letter to hand. Glad to know that it cheered so faithful a soldier in such a blessed cause, who is such a good avenue for a great blessing to remain in our land, uplifting it both morally and physically.

"Simply beg to call your attention to the money spent to change men's idea of Prohibition, how little is said about the 'little child' and his welfare. It would seem that the prohibitionists and temperance societies are unaware that they hold the 'trump card' in their hand and that can win hands down, namely, 'the little child' that from the dawn of history, whose INNOCENCE stands out like a star of the first magnitude, whose soft beams descend upon tired suffering humanity like an evening benediction.

"Countless thousands hold a large and endearing place in their hearts above, but their interest seems sleeping and needs to be awakened.

"The women who hold the balance of power, whose influence the politicians dread and are afraid of because they cannot control them.

"At the coming autumn election many changes in Congress will take place; while this powerful influence seems to be

sleeping, the wets, who are the willing dupes to an evil influence, that if they are successful would cause the ruin of the loving little tots now growing up, as they would come under this evil influence.

"Now, if the thousands who love little children and their welfare would unite in a 'holy purpose,' losing self and name on this unselfish purpose like drops of mercury, would coalesce in this purpose, lifting it like the sun at noon, it would settle for all time this vital problem and its loving beams (love for the little child) would silently enter the hearts of the wets, opening their eyes to see that they have been a willing avenue to ruin those they love best, would drop this nefarious illegitimate business as one would a red-hot coal from their hands. Besides, these soft rays would extend across the ocean, entering the hearts of the degraded and suffering, who would rise from it and take heart again. This is the only force that can make the victory certain; it is a hard problem to make men to sacrifice for men, but their love for little children will make the problem easy.

"If only 200,000 would give what I enclose it would create a fund of \$10,000,000, which would cover the costs of mass-meetings and leaflets of true propaganda to negate the false.

"Enclosed I hand you my check for \$50, asking that my name and self be lost in this 'holy purpose'—trusting you may find a way to start to have mass-meetings in different parts of the country. However, I do not wish to bind you to this, though I hope a way will be opened to you to accomplish what would bring a permanent victory."

The writer's suggestion of mass-meetings in different parts of the country should be heeded. Wherever the Gospel is preached, wherever men and women love the little child, there should be held mass-meetings, with a ringing denunciation of every effort made to repeal or modify our Prohibition laws. Let us see how many men who are now fighting our Prohibition laws will dare to stand before their communities, without manifesting any love for childhood, any love for the babies of the land, and say that they are opposed to that law which is saving the children from all the curse which rested upon them under the open saloon.

The liquor interests of the country in every way possible are fighting to bring back the wine and the beer which would inevitably lead to the saloon and to the wide-open drunkenness of the parents. Little they care for childhood. And yet even the saloonkeeper may have his heart touched when he thinks of his own children, if he has any, for babyhood appeals to every human heart not so steeped in sin that it cannot possibly be touched by the spark of Divinity which speaks from the eye of every baby.

Let men and women everywhere, mothers and fathers, and all others who may not be mothers and fathers but who love baby life, hold the mass-meetings suggested by this New York friend and arouse this country as it never has been aroused in behalf of strict obedience to the Prohibition laws, and to the unqualified maintenance of these laws in behalf of the childhood of the land, as well as in behalf of womanhood and manhood. Here is an opportunity for ministers of the Gospel, for the women of the country, and for all others who, having looked into the eyes of the babe that has come into their own family or into the families of their loved ones, have caught the Divine inspiration that speaks from the eyes of every baby with more telling effect since the Babe that was born in Bethlehem than ever before.

#### IS IT NEW OR OLD?

THE newest joke on Henry Ford which has come to our notice is in a little leaflet issued in Kwangju, Korea, entitled "Topics in Brief," published by M. L. Swineheart, an American, who is out there engaged in missionary work. "Topics in Brief" says:

"The largest factory in the world producing baby rattlers is located in Detroit and is owned by a man called Ford."

Evidently a sense of humor exists among missionary influences in that region.

#### THE POWER OF THE PRESS FOR GOOD OR EVIL.

EDWARD MCKERNON, superintendent of the Eastern Division of the Associated Press, in an address on February 12 at the annual banquet of the West Virginia Publishers and Employing Printers Association emphasized the responsibility which rests upon newspaper workers. In the course of this address Mr. McKernon said:

"Circulation is the concern of the counting room. Let the business management worry about that. Typography, feature stories and comic strips are its salesmen. Intelligent editing, enterprise and speed are, of course, circulation builders, but circulation building is not the primary responsibility of the journalist.

"That editor betrays his profession whose dominant passion is to find in the day's news that which, regardless of its essential importance to the public, may appeal to the greatest number of readers; to fashion headlines that will most readily catch the eye of the newsstand patron, or to be first on the street with sensational news.

"He is not a journalist, but a sort of glorified newsboy.

"The great and all-important responsibility of the profession of Journalism is to draw the daily picture with fidelity, whether the picture must be framed in six columns or sixty columns.

"The journalist must reflect the world as it is at press time, and if the news is sensational it should be so presented that the reader may know it is sensational. If there is no news, the news columns must be correspondingly dull.

"I do not make my plea to the reading public, which will recognize the profession when the profession recognizes itself, but to those publishers who have fallen just short of their great opportunity, who have put all the mahogany in the business office, who have not washed the windows in the news room since the building was dedicated. I wish the man in shirt sleeves upstairs to have his place in the sun.

"I should like to live to see, the day when the advertising man appears hat in hand at the door of the editorial sanctum and says: 'My dear editor, How much space do you think there will be left for advertisements when you have completed your daily exemplification of the profession of Journalism?'

"Development of the modern newspapers is the proudest achievement of the last 30 years. Three notable reforms are to its credit: The establishment of the intellectual independence of the editorial page, the purifying of the advertising columns and the frank revelation of circulation figures. All these have contributed to give the American newspaper a commanding position in public esteem. But this prestige has added to the responsibility now confronted.

"The millions have been made to read. And they believe what they read. They cannot help it. And as they read they think, and as they think they act. If they do not learn to think straight, we are lost. They cannot think straight unless through the expert direction of the profession of Journalism they receive a picture of things as they are, presented with a proper sense of proportion that will clearly indicate what must be the starting point of intelligent thinking."

The closing paragraph of this notable address, which should be studied by every man who seeks to do newspaper work, is especially important. The millions have, indeed, been made to read through compulsory education. Every boy and girl, white and black, is being taught to read. What are they going to read? Will they read the truth or will they read wild sensationalism? Will they read the things that make for the upbuilding of their character and their country or will they read stuff that will warp their judgment and cause them to have no faith in their fellow-man or in their country or its business interests.

It is fairly safe to say that at least one-half of the matter

published in the daily papers of the country is inaccurate or is inaccurately handled. Wild sensationalism to catch the public eye is everywhere prevalent. Propaganda of one kind and another fills our newspapers either through the ignorance of the editorial staff or through their willingness to be played as suckers. Every newspaper desk is daily piled high with various kinds of propaganda, in the guise of news, and either because newspaper workers are overcrowded and have not time to sift and simmer out the wheat from the chaff, or, because they are willing to unload on the public anything that is of a sensational character, the papers are filled with unreliable matter which misleads the readers.

Newspaper work cannot be censored by the Government unless it becomes entirely too rank for the mails, but newspaper men themselves ought to censor their own writings and everything else which is turned in for copy, with a due sense of the responsibility which rests upon everyone in every newspaper office to know the truth and to tell the truth as God gives them the power to know and to see it. So great is the influence of the press that it ought to be regarded as a holy calling, as much so as that of the minister in the pulpit, for the newspaper worker reaches thousands of people for every one that the preacher reaches, and the message of the newspaper writer influences for weal or woe, for honor or dishonor, for patriotism or for disregard of his country, every individual who reads it.

#### NOT WORKING SATISFACTORILY."

THE News-Leader of Richmond, Va., in publishing a symposium of views for and against Prohibition editorially said:

"More than two-thirds of all the writers, in other words, declared that Prohibition, after seven years' trial, is not working satisfactorily."

And yet after a few thousand years the law against murder is not working satisfactorily, and about 30 murders a day are being committed in the United States, though the law against murder has been universally recognized by mankind through all the ages as essential to human life.

When we consider that a very large percentage of the people engaged by the Government in Prohibition work are not themselves prohibitionists at heart; when we remember that many of the appointments are made by political henchmen by command of United States Senators who are thinking more of their own control of their districts or state than of the honor and integrity of the Government, and when men in high position openly violate the law and boast of it, it is hardly surprising that after seven years of trial it is not thoroughly satisfactory. We see no indication, however, that the law against murder, against theft, against robbery and other crimes is likely to be repealed merely because it is not working "with entire satisfaction."

#### A BRIGHTER DAY FOR MISSISSIPPI.

T. C. HANNAH, an attorney of Hattiesburg, Miss., in a letter to the MANUFACTURERS RECORD gives another illustration of the broadening policy of the Mississippi Legislature in the passage of a new Forestry bill. In the course of his letter Mr. Hannah writes:

"In the interest of my native state of Mississippi I thank you very kindly for your article in the recent issue of the MANUFACTURERS RECORD under the heading 'Hurrah for Mississippi.'

"The legislature of our state on yesterday gave further evidence of the new awakening by passing our first Forestry bill, the primary purpose of which, as I understand, is to curb the destruction occasioned by forest fires.

"Truly and surely a brighter day is ahead for Mississippi; and to no one is a greater share of the honor and credit due than to you."

#### GERMAN STEEL IN A GOVERNMENT BUILDING IN WASHINGTON.

DISCLOSURE that German steel is being used in the construction of a book-stack building for the Library of Congress, within a stone's throw of the National Capitol, "has caused a stir in the American steel industry, already aroused over the volume of steel being imported into the United States from Germany," says a Washington dispatch to the Baltimore Sun. The contract, it is explained, awarded under competitive bidding, calls for the payment of \$750,000, "but no provision was made requiring American steel to be used."

This disclosure of the use of foreign steel may reasonably "cause a stir in the American steel industry," but it hardly will occasion surprise to persons who have the slightest idea of the aggregate amount of foreign steel and iron now flowing into the United States in competition—in successful competition—with the American product. It is no secret that a great American railroad is importing steel rails from Belgium, or that large amounts of iron pipe from Belgium and France, pig-iron from India and other imports already give serious warning.

"Recent increases in the imports of German steel into the United States, coupled with the fact that the German product is being sold in this country at prices below those charged in Germany, are said to have hit the American producers a blow. It is charged that Germany is paying a bounty on exports of steel from that country to enable German steel to undersell the American product in the United States market," says the dispatch to the Baltimore Sun.

For one thing, in view of the low wages paid to workers in Germany, it hardly would seem necessary for the German Government to pay an export bounty in order to undersell American producers. For another thing, if the German Government is paying such bounty, it is high time the complaisant and merciful Allies compelled Germany to pay such bounty money rather in reparations; it is high time that American financiers ceased to lend the American people's money to Germany to buildup industries which will compete—at starvation wages, in comparison with American wages—with American industries.

Yet, in the face of such floods of foreign goods, many "statesmen," politicians and financiers, to say nothing of blatant demagogues, prate of a reduction in the general protective tariff. Selfish and ignorant groups delude the farmer and the man on the street into belief that this tariff is a hardship, rather than a protection; that it is a mill for grinding out dollars from the pocket of the consumer, rather than a bulwark against a flood of foreign-made goods, produced at wages at which the American workingman justifiably would turn up his nose in contempt.

Already foreign products are making tremendous inroads in the American market. Lower the protective tariff bars just a little and American industry will be swamped. Foreign steel will do far more than erect a building for the Library of Congress—it will figure in the establishment of free-soup stations and in the institution of bread lines, as always has been the case in no-tariff or low-tariff times, and must inevitably be the case, under such conditions, in the future.

At least one major-league baseball club is reported to contemplate abandoning Florida as a spring training ground because of the bad effects of horse-race gambling upon its players. The professional baseball business "magnates" state emphatically that it survives and prospers by being maintained free, clean and untainted by gambling in baseball circles, and now they indicate that it must be kept free from horse-race gambling in order to continue its prosperity.

## South's Population Approaching Forty Million Mark.

A revised estimate of the population of the United States by the Census Bureau, based upon available data regarding births, deaths, immigration and emigration since 1920, shows that the country on July 1, 1925, had a population of 115,378,000. This will give an estimated population on July 1, 1926, of 117,136,000, as compared with 105,711,000 reported by the census of January 1, 1920. The population for the various states is arrived at by distributing the total increase for the United States since 1920 on the basis of the distribution of the increase between 1910 and 1920, except that in some states state census figures, when taken in 1925, were substituted for estimates. No estimates were made of those states which showed a decrease of population between 1910 and 1920, the figures given in such cases being the population of 1920.

Based on these estimates, the 16 Southern states will have a population of over 39,700,000 July 1, 1926, as compared with 39,206,000 July 1, 1925. The census of 1920 showed the South to have a population of 36,307,000, and 32,480,000 in 1910. The population of the South this summer will be within 10,455,000 of the total population of 50,156,000 reported for the United States in 1880. The population of the South today is over half of what the country reported 25 years ago.

## Production of Sulphur in 1925—Practically Entire Output From Texas.

The production of sulphur in 1925 amounted to 1,409,240 long tons, compared with 1,220,561 tons in 1924, and has been exceeded only by the production of 1921, 1922 and 1923, according to the Bureau of Mines. Shipments from mines in 1925 totaled 1,857,970 long tons, compared with 1,537,345 tons in 1924, and were greater by 239,129 tons than the shipments in 1923, the previous year of greatest movement. As in 1924, shipments were considerably in excess of production. Stocks in the hands of producers were thus reduced from 2,700,000 long tons at the beginning of the year to 2,250,000 tons at the end of the year, the lowest level since the end of 1921, and 750,000 tons lower than those on hand at the end of 1923. The estimated value of the shipments in 1925 is \$29,000,000.

For a number of years prior to 1925 over 99 per cent of the sulphur production of the country came from the mines of Louisiana and Texas, but abandonment of operations at the original big sulphur mine in Louisiana in 1924 left only the Texas mines as large producers, and in 1925 over 99 per cent of the production came from them. Shipments of Louisiana sulphur are still being made from stocks, and small shipments were made in 1925 from Nevada and Utah mines.

Exports of sulphur or brimstone in 1925 were the largest ever recorded, being 629,401 long tons, compared with 482,114 tons in 1924, and were 30 per cent higher than those of 1922, the previous year of highest record. Of the exports in 1925, Germany received 136,972 tons, Canada 125,681 tons, France 110,684 tons and Australia 71,530 tons. Exports of refined, sublimed and flowers of sulphur totaled 6,381,791 pounds, of which Canada and Mexico received the major portion. As usual, the imports of sulphur were negligible.

## Bids on \$350,000 Hospital.

Greenville, S. C.—Bids will be received until April 1 by the W. W. Burgiss Foundation for the erection of the proposed Shrine Hospital for Crippled Children on the National Highway near Greenville at a cost of \$350,000. The structure will be 348 by 145 feet, the central section to be three stories, with wings of two stories. Hentz, Reid & Adler of Atlanta are the architects, and Beacham & LeGrand of Greenville, associate architects.

## President Sirrine's Statement As to Reservations Made for Southern Exposition.

Greenville, S. C., March 13.

### *Editor Manufacturers Record:*

A. A. Coul, secretary of the Florida State Chamber of Commerce, has signed a contract in behalf of that body for 5000 square feet of floor space in the Southern Exposition, to be held in the Madison Square Garden October 2 to 10. Clement S. Ucker of West Palm Beach, as chairman of the Florida Committee, has selected sections Numbers 85 to 98 in the center of the Exposition Hall. Arrangements will be made immediately for assembling a display which will truly represent all of Florida's vast and varied resources. The other members of the committee associated with Mr. Ucker are as follows: Messrs. W. G. Broein, Tampa; Jules M. Burguiere, West Palm Beach; Karl Lehmann, Orlando; W. A. Sessions, Bonifay; David Sholtz, Daytona; Isaac Van Horn, Polk City; Lorenzo A. Wilson, Jacksonville, and W. L. McGowan, Quincy.

Selections of space are being made rapidly. Georgia has taken sections Numbers 67 to 76, containing 4000 square feet. The Georgia Railway & Power Co. and other hydro-electric companies in that state will occupy 1200 feet.

The Seaboard Air Line Railway has sections Numbers 10 to 12 and 36 to 38, aggregating 1592 feet. The Central of Georgia Railroad has sections Numbers 78 and 79, 500 feet, and the Illinois Central Numbers 64 and 65, containing the same quantity.

Other assignments that have been made are to the states of Virginia, North Carolina, South Carolina, Alabama, Louisiana and Tennessee, and the Missouri Pacific, Georgia & Florida and Southern Pacific Railroads. Other exhibitors are expected.

W. G. SIRRINE, President, Southern Exposition.

## Florida East Coast Railway Bonds for Main Line Improvements.

The proceeds of \$15,000,000 5 per cent first and refunding bonds of the Florida East Coast Railway that are being offered to the public by a group of bankers headed by J. P. Morgan & Co. of New York will, it is stated, be used for additions and improvements, including approximately 136 miles of new second track on the main line; for automatic block signals on 196 miles of that line, and for additions to freight yards, engine terminals and car shops. The new construction will complete double track and automatic signals on 246 miles between Jacksonville and Miami, and as a result of the improvements it is expected that the traffic capacity of the line will be increased 150 per cent. The first National Bank and the National City Company, both of New York, are also concerned in the offering.

## Eastern Carolina Exposition and Automobile Show.

Greenville, N. C.—Plans are being made for the fourth annual Eastern Carolina Exposition and Automobile Show to be held in Greenville during the week of April 5. This event is held under the auspices of the Eastern Carolina Chamber of Commerce, Inc., of Kinston, and is intended as a booster occasion for 46 counties, bringing together many people from that section.

Dates for the annual convention at Dallas of the Texas Sheet Metal Contractors' Association have been changed from May 20 and 21 to April 15 and 16, according to Z. E. Black, manager of the convention department of the Dallas Chamber of Commerce.

# Business Leaders in Great Conference for Industrial Development of the South.

By GEORGE GARNER.

Memphis, Tenn., March 16.

Somewhat on the principle, "There is a tide in the affairs of men which, taken at the flood, leads on to fortune," the Southern states, as represented by hundreds of their most substantial citizens, gathered in Memphis yesterday to plan to ride on the crest of the great development wave to the shore of permanent prosperity. Which is a more or less poetical description of one of the most practical and businesslike meetings, to consider cold business questions, ever held in any section of the United States.

Originated and sponsored by the American Mining Congress, the Southern Industrial Conference opened yesterday morning, to continue through tomorrow evening, to consider ways and means for interesting working capital in the development of the boundless natural resources of the South. Too long had the South shipped its wealth of raw materials to other sections for conversion into finished products, to be sold to Southern consumers at prices involving the profits of all the intermediate steps of manufacture, plus transportation and other charges. Conditions, it was felt by these business representatives of the South, must be reversed—the South must manufacture as well as produce, and reap for itself the profits which for decades it has paid to industries in other areas of the land.

Nor did the South seem selfish in this movement; rather, a feeling was pronounced that all benefits to the South would be of corresponding benefit to the rest of the country also. Saving through manufacture at the source of production will inevitably reduce prices to the ultimate consumer, no matter where he may live; so the benefits contemplated for the South were considered of equal importance to the East, North and West. Finally, it was argued, the establishment of great industries in the South would give employment to thousands on thousands of persons who long to migrate from the cold climes, to make their homes in a land of sunshine.

Already, it was cited by sound business men, the opening of textile mills in the South had worked for the welfare of the entire nation, without injury to any other section. The great steel, iron and coal industries of the Southern fabricating centers were pictured as contributing to the prosperity of all the nation—in short, the South showed it had grasped the truth that nature has equipped it in every possible way for the manufacture of finished products, as well as for the production of raw materials.

Take, at random, some of the subjects listed for consideration at this meeting:

Opportunities in the South for Mineral Development.  
Southern Mineral Tariffs.  
Neglected Issues in Labor Relations.  
Power in Industry.  
Public versus Private Operation of Industries.  
Epidemic of Legislation.  
Development of Branch-Line Transportation.  
Freight Rates to New Mining Centers.  
Developments in Electric Smelting.  
Financing Industrial Developments.  
Retarding Mineral Development by Erratic Taxation.  
The Severance Tax and Its Various Applications.  
Even this small list from the many numbers on the program indicates the thoroughness with which the delegates

went into every phase of the development movement, with the visions of idealism and the practicality of business acumen.

In each discussion of every subject—in each set speech and impromptu address—in each little group of two or three men, constructiveness was the basic thought. Every angle of constructiveness was explored, the depths were sounded and the breadth covered on every line.

On the whole, it was felt that only capital was needed to put through this constructive program—capital to finance the great enterprises of a thousand and one varieties. Engaged since the Civil War in the tremendous task of pulling itself out of the slough of impoverishment, the South had not had opportunity in itself to accumulate the capital for development of its unsurpassed natural advantages; it must look elsewhere for much of the money. But the delegates did not seem in suppliant mood, importuning other sections for mere loans. Rather they were in the mood to say to the world of capital, "We offer you opportunities for safe investment, with most generous return on your investments." Here, they showed, was water-power to run great mills for the translation of cotton into textiles, of grain into flour, and other similar industries. Here, said they, are found iron, and the coal with which to transmute it into steel. Here are the clays for ceramic industries—and salt and sulphur and oil and lumber. Finally, they reminded the rest of the land, here is sound, contented labor in abundance, and, finally and above all, virtually a 100 per cent American citizenry.

For years it was felt capital had cast a cold eye upon the South, but recently that eye of interest had discerned the opportunities for investment and profit. Capital had ventured into every state in the South, hesitantly at first, but later with more confidence, until in recent years it had attained a steady flow, at times swelling to almost the proportions of a torrent. Now capital must be shown that this development is not a temporary spurt, but a progressive movement to permanent prosperity.

A large number of delegates from the Southern states were in attendance when the proceedings opened at the Peabody Hotel Monday morning, with C. J. Griffith of Arkansas presiding. The invocation was delivered by Dean Israel H. Noe.

To the welcome extended by Mayor Rowlette Paine responses were made by National Secretary James F. Callbreath and the following: State Geologist Wilbur A. Nelson for Virginia, Assistant State Geologist David B. Reger for West Virginia, Jefferson Penn for North Carolina, E. L. Hertzog for South Carolina, J. M. Mallory for Georgia, State Geologist Herman Gunter for Florida, State Geologist W. R. Jillson for Kentucky, State Geologist Hugh D. Miser for Tennessee, James A. Davidson, Secretary of the State Mining Institute, for Alabama; Director L. J. Folse of the State Board of Development for Mississippi, Manager J. H. Hand of the White River Chamber of Commerce for Arkansas, Dr. W. K. Irion, director of the Department of Conservation, for Louisiana, and Hon. Harry H. Rogers for Texas.

Dr. Henry Mace Payne, as acting secretary of the conference, had charge of all arrangements and worked everything with smoothness and dispatch. C. G. Memminger, presiding at the first afternoon session, the general discussion of conditions started with a paper on "Insurance and Industry," by Henry Swift Ives of Chicago, followed by "The Application of Industrial Co-operation in the South," by J. G.

Bradley, past president of the National Coal Association, "The smokestack is the workingman's best friend" was an adage impressed on all minds, while G. M. Robeson of Farmville, Va., further said, "The only two things necessary are to know how and to want to." The South seems to feel that it knows how to manage its great development, and it certainly wants to.

Luncheon was tendered to visiting delegates on Monday by the American Mining Congress and the Memphis Chamber of Commerce, and a banquet was held on Tuesday evening, with Hon. Herbert Wilson Smith of New York city as toastmaster. Visiting ladies were most hospitably entertained with auto tours, luncheon, theater party and a musicale. A most interesting feature was a large exhibit of minerals, that of Arkansas, contributed by E. B. Bird of Little Rock, being especially comprehensive.

Incidentally, it was interesting throughout the sessions to note the absence of comparisons between the South and other sections, or between the individual states of the South itself. The speakers for each state detailed its natural advantages and attractions and its opportunities for development to the profit of the South and all the nation, but not a sound of a "knock" was heard in any quarter or hint of unpleasant comparison.

Both significant and encouraging was the presence of many substantial men from other parts of the country, leaders in their respective lines of industrial or professional endeavor. For instance, John W. Cooper of Buffalo, N. Y., was slated to speak on "Public vs. Private Operation of Industries," and M. H. Aylesworth, National Electric Light Association of New York, on "Power in Industry." The East and North and Northwest and West are tremendously interested in the South's constructive development.

Another significant feature was the fact that the delegates seemed disposed now to regard the protective tariff as an economic rather than a simply political subject, and a letter from Richard H. Edmonds, editor of the MANUFACTURERS RECORD, on the subject of the tariff was apparently received in that spirit. Realization is gaining ground that the South now needs a protective tariff for both its raw products and manufactured commodities. Labor in the South cannot compete on an American wage basis with the pauper labor of Europe and the Orient any better than can labor in the North or East, and the South cannot afford at the opening of its industrial career to carry the terrific handicap of foreign competition at pauper prices. Unemployment of both capital and labor, through such competition, now would almost spell ruin for the South at the outset of its march toward tremendous development.

Written from an economic viewpoint, Mr. Edmonds' letter read, in part, as follows:

"Appreciating the importance of the proposed Industrial Conference at Memphis, I greatly regret that it is not possible for me to accept your invitation to make an address before the leading men of the South who will be in attendance. Though I cannot be with you, I trust you will permit me to present in this form some thoughts in regard to the supreme necessity of a protective tariff to safeguard the agricultural and industrial interests of the South.

"No other section of the country needs the benefits of a protective tariff as much as does the South. Our industries are comparatively new and with small accumulated capital, in contrast with the long-established industries of the East and the West and their vast accumulations of capital. The South is entering upon a mineral and industrial development which is in its infancy. We have not accumulated either the money or the experience of these industries in other sections. In the broadest sense, it may be said that most of these industries are infant, and they need as they never needed before an ample protective tariff against the influx of the mineral and manufacturing interests of other countries.

"Heavy importations of pig-iron from India are coming into this country and lessening the demand for Southern pig-iron. I heard the American manager of a great India

plant from which most of this pig-iron is coming, before a meeting of the American Iron and Steel Institute of the country a few years ago, say that he was employing in the India plant about 8000 hands, and that the average rate of wages, including skilled labor, was between 7 and 8 cents a day. Are we willing that the iron and steel workers of this country shall face competition with such a low rate of wages as that?

"A year or two ago I published a statement from a big cordage manufacturing company that it was abandoning one or two plants in this country and establishing big plants in India, and the reason given therefor was that the kind of labor needed in that work could be secured in India at 17 cents to 18 cents a day. 'But,' said this report, 'these figures are much higher than prior to the war, and will probably be much reduced shortly.'

"In Europe rates of wages, though higher than in the Orient, are far below those prevailing in this country, and without an ample protective tariff this, the best market in the world, will be flooded with the products of this pauper-paid labor of the Orient and of Europe. The glory of America is the rate of wages paid to its laboring people. It is to these wages, always higher than any other countries have paid, that our progress and prosperity have been due, and with the higher wages that have been prevailing since the war we have been developing a degree of prosperity beyond anything that this or any other country ever knew.

"The trouble with the world, to a very large extent, is poverty due to low wages. Appalling poverty rests upon many countries because wages are too low to enable men to earn a decent living for their families. If the rate of wages of all the countries of the world could be materially increased, there would come such world-wide prosperity as to lift from hundreds of millions of people the appalling poverty and suffering which they now endure, and all civilization would leap forward to a higher plane than ever known.

"In maintaining high wages in this country we are setting an example for the world. We are stimulating the laboring people of other countries to struggle for better wages and better living conditions than they now have, or have ever had. If we can hold aloft the banner of the good living conditions under which American labor enjoys its untold blessings, where women and children are better clothed and better housed and better fed than those of any other nation, we will stimulate the peoples of all other countries to struggle upward to a higher plane of living, and prosperity—boundless prosperity—will come to the whole world.

"In the South we have great mineral resources which offer large opportunities for the creation of employment and of wealth, but the development of which is hindered or hampered by inadequate protection against importations from other countries. Many mineral industries in the South have been destroyed by this foreign competition, to the loss of the capital invested and to the labor employed.

"It is not alone, however, the mineral and industrial interests that need an ample protective tariff. Agriculture needs it equally as much, perhaps even more. We are importing from the Orient vast quantities of agricultural products which come in direct competition with similar products in the South, and the Southern farmer needs a protective tariff even more than the Southern manufacturer.

"And then there is another phase from which to view the relation of a tariff to Southern agriculture. For half a century the Southern farmer has been urged to diversify his crops. He has been told of the poverty which always eventually follows concentration upon one crop, whether it be cotton, or rice, or sugar, or tobacco, or wheat. But he has not found a way in which to diversify his farming operations to such an extent as to have made any notable advance, except here and there. The reason for this is the lack of a home market. Wherever industrial development furnishes employment for non-producers of foodstuffs there is created a market for the products of the farm. It is the industrial worker who makes prosperity possible for the farmer. Until industrial development in the South is carried forward to such an extent as to create a home market for everything which the farmer can produce, whether it be butter, or eggs, or chickens, or vegetables, or fruits, there cannot be a well-rounded prosperity. Shipping Southern food products a thousand miles or more to the North and West is sometimes profitable to the grower, but not always. But even this can only be done here and there on a large scale, and it is not half as desirable as would be a ready market at home for everything which the farmer can raise.

"Diversification of agriculture absolutely depends for full success upon the diversification and development of industrial interests. These industrial interests cannot be created

on a large scale without the benefit of a protective tariff. Without their development general prosperity for the farming interests, based on diversified agriculture, is impossible.

"There is another phase of the situation which needs to be studied. For years the South has been educating its young people, men and women alike, and, having borne the cost of raising and educating them, sends them out as a free gift to other sections. Thousands of them are annually pouring out of the South into the North and West because of a larger opportunity for profitable employment. These young people coming from the farms, seeing that the opportunity for profitable agriculture cannot be found and that their industrial employment is limited, naturally gravitate to the great industrial centers of the North and West.

"The South has impoverished itself for the enrichment of other sections. It has given much of its very best life-blood of young men and young women to the enrichment of other sections because it has not created for them opportunities equal to those which they have heretofore been finding elsewhere. We have talked much of our minerals, our coal and iron, and marbles and granites, almost limitless in extent and vast as the source of potential wealth, but we have neglected to consider the immeasurable value of our young people—the greatest natural resource which the South has; and we have sent them out by the thousands, and the tens of thousands, and the hundreds of thousands, impoverishing ourselves, halting our development, and throwing upon those left behind a greater burden to carry forward the work of the South, and all because we have worshiped at the fetish of Free Trade, and in doing so have retarded the full utilization of our natural resources of men and minerals and of advantages.

"The tariff question should be considered absolutely from the economic standpoint, and not as a measure of partisanship. Hundreds of thousands of Southern people believe in a protective tariff, but because of political affiliations they have not made an open fight to demand that the tariff shall be discussed purely from the economic standpoint and not from the political.

"I sincerely trust that the men gathered at this convention will see that the most vital economic question before the South, the one which will solve its agricultural problem, its industrial problem, and tremendously advance its prosperity, is the maintenance of an adequate protective tariff, without the ever recurring changes which make it difficult for a man to know how to formulate his plans for business, for in these days he never knows whether he is to work under a protective tariff or under a free-trade campaign."

In the course of his paper on "Industrial Expansion Through Electrification," M. H. Aylesworth of the National Electric Light Association, New York, referred directly to the South as follows:

"The future relationship of electrical power to industry is in your hands. You are all citizens in good standing and represent the new industrial South. I am a firm believer in complete regulation of the electric light and power industry, and I am just as firmly opposed to Government ownership or operation, whether municipal, state or Federal. Under the present system of regulation, the public is fully protected as to the rates which these companies can charge, and the history of the industry is the best evidence of the efficiency of service under private management, publicly regulated. Government ownership and operation and destructive interference are quite different than full regulation for the protection of the public. So much for politics; back to business.

"Southern industry needs power. The power must flow continuously, freely and at low cost. It is chiefly through the instrumentality of the power in Southern streams that the South has wrested the supremacy of the textile industry from New England. The eyes of the industrial world are turned southward. Invitations of Southern states to capital and labor have been read with interest and will be accepted in large measure. We learned years ago in this country not to think in a narrow, provincial way or to regard the prosperity of one section as detrimental to the well-being of any other. We know, for example, that if these states of the Old South are doing well and prospering, the benefits must extend to New York, Pennsylvania and every other state in the Union.

"It is my great honor and privilege to pledge you gentlemen the full co-operation of the electrical industry in Southern industrial development."

Speaking for Arkansas, J. H. Hand, secretary-manager of the White River Chamber of Commerce, said:

"Behind the invitation of Arkansas to outside capital and

industry to join in development of her vast mineral wealth stands the pledge of the State Bureau of Mines and the Geological Survey to extend the facilities of their offices and the aid of their field agents to those who are interested in getting advantageously located for purposes of mineral development and production in that state."

On behalf of Louisiana, Commissioner V. K. Irion of the department of conservation said that state stands high in the Union in both the amount of mineral wealth produced and reserves of mineral wealth. He added that of the 20 oil-producing states Louisiana ranked seventh for 1924 and 1925 and ninth in grand total production to date. He also told of the state's resources in natural gas, sulphur, salt, limestone, clay, sand and gravel, and lignite.

### New Tractor Towboat for Shallow Water Transportation.

St. Louis, Mo.—Possibly by the end of the year a fleet of barges will be plying between St. Louis and Kansas City as the result of tests showing the worth of a new water-tractor towboat built by the Standard Unit Navigation Co., which will probably establish a plant here.

The boat has been called the "river flivver"; it operates in a manner similar to that of army tanks, paddles being fitted to an endless-chain drive, one paddle chain on each side of the boat or one in the center. Although the boat is built in various lengths and equipped with different sizes of engines, it may be operated in water as shallow as four and a half feet. For that reason members of the company feel that it will solve a difficult water-transportation problem on the upper Mississippi and its tributaries. A 50-horsepower towboat of this type draws but 18 inches of water, and tests show that it has developed its full towing capacity in less than two and a half feet of water. It develops about six and a half horsepower per ton of boat, and being of the catamaran type of construction operates efficiently in reverse or forward, and turns in a circle 60 feet in diameter. It is 30 feet long and has a beam of 12 feet.

Machinery is now practically completed for a large-size towboat of 360 horsepower. Sunco small barges are 16 feet wide and 50 feet long, and carry approximately 50 tons of freight on three feet of water. Large-size barges are 16 feet by 100 feet and carry 100 tons on three feet of water. The barges are all made 16 feet wide so that they will operate efficiently in narrow channels and pass through the present locks of the I. & M. Canal leading from the Illinois River into Chicago.

The Standard Unit Navigation Co. was organized in August, 1923, and has a capital stock of \$10,000,000. It owns and controls all of the patents of the towboats, barges, terminals and other equipment necessary to the operation of the Sunco system. It is planned to organize subsidiary companies in the various geographical divisions of the river territory, and each of these companies will own a line on a given section of the river, and their equipment will be sold, leased or licensed to them.

### State-Planters Bank and Trust Company.

Richmond, Va.—The merger of two of Richmond's largest banks—the State and City Bank & Trust Co. and the Planters National Bank—into the State-Planters Bank & Trust Co. has been formally ratified by stockholders and the new institution began to function on March 1. Capital of the new bank is \$2,500,000, surplus \$1,500,000, undivided profits and reserves \$1,000,000, and total resources approximately \$45,000,000. Julien H. Hill is president of the consolidated bank; its executive officers include Mr. Hill, W. Meade Addison and Thomas B. McAdams. L. W. Bishop is manager of the department for new business.

## Charleston Invites the Nation to the Convention of the Foreign Trade Council.

Charleston, S. C., March 11.

*Editor Manufacturers Record:*

The National Foreign Trade Convention, which meets in Charleston April 28, 29, 30, may easily prove to be the greatest commercial opportunity ever offered the Southeastern territory as a whole. The very fact that this convention has selected Charleston as a meeting place is indicative of a keen interest on the part of the personnel of the convention in the foreign trade possibilities of the Southeastern area.

The convention is made up of some thousand to fifteen hundred of the most important business executives of the country. Competitive bidding for the convention is always vigorous, and at Seattle last year Charleston was pitted against no less redoubtable a contestant than Detroit. Nevertheless, the convention decided to come to Charleston for its first meeting on the South Atlantic seaboard. What this opportunity means to the city of Charleston is obvious. Its fame as a convention city is already established. Its people have a genius for entertainment and have demonstrated their capacity to draw many and divers gatherings to their historic city. But this is the first time that Charleston has had to exhibit her extraordinary setting as a great world port to a group so well able to appreciate it and equally able to make use of it to full advantage. And all this will happen in the magic of a Charleston spring, when whatever is human is more or less unbalanced by the charm and beauty of the city and its surroundings at that season of the year. Charleston realizes to the full that she is to enjoy a very enviable privilege as the hostess to this convention.

But what is equally true is the opportunity, through her good fortune, of the whole Southeastern section, of which she is but one of a number of important gateways. The convention did not select Charleston for her own charms altogether, but because of the industrial development of the whole region back of her. The eyes of a large part of the nation have been looking more and more steadily at the South. The discovery and utilization of her rich endowment in water-power has made possible an amazing growth in manufacturing. Between 1921 and 1923 the Carolinas and Georgia showed an increase of 24 per cent in the number of operatives in the textile mills, as against 5 per cent for New England, long established as the home of the industry. In the same period the products of the textile mills increased in these three states 74 per cent, as against New England's 23 per cent. Sta-

tistics for the ensuing years will show equally striking contrasts. In 1925 there were more than 600 textile mills in the Carolinas alone.

At present the Southern textile industry is not altogether a completed unit, as much of the product of the Southern mills still goes to New England for bleaching and finishing. With the further development of water-power, and the concentration Southward of financing and banking facilities, it is possible to predict at no distant date the complete localizing of the textile industry, close to its supply of raw material, and skilled white native labor, and close also to the gateways for the final disposition of its completed products.

The water-power of the South is only just beginning to be made available. Almost at the door of Charleston is a water-power potential of 118,000 primary horsepower that is untouched, while all through the Southeast are undeveloped potentialities that surpass anything south of Niagara and east of Muscle Shoals. The men who compose the National Foreign Trade Council are the men whose cognizance of these possibilities it is of utmost importance to secure. And the textile industry is but one of the instances of the industrial possibilities of this region. No section is richer in the variety of its raw materials. The industrial future of the South awaits only the more effective exploitation of its opportunities. And awaiting the production of a growing volume of manufactured articles are the great ports of this section, free of ice and practically free of fog the year round, with deep water and port facilities still far in advance of the present demands upon them. The time and the place and the loved ones are at hand, and constitute an imperative challenge for the undivided attention of suitors for the accelerated development of this territory.

Charleston extends as cordial and insistent an invitation to the business interest of the South and Southeast as to the official delegates of the convention, and that welcome is as strong as we know how to make it. Opportunity is afforded for personal and business contacts of exceptional significance, and it would be a misfortune for this whole section if the opportunity were not recognized and utilized to the utmost. Indications now are that it will be, and nothing could so hearten and justify the efforts Charleston is making to ensure a successful convention from every standpoint as to feel that through it she has served the interests of the great territory of which she is an important and devoted part.

WALTER B. WILBUR.

### Farm-Electrical Conference in Chicago.

The problem of profitably using electricity on the farm will be discussed at the Hotel Sherman, Chicago, on May 12 and 13, at a joint conference which has been called by the Committee on the Relation of Electricity to Agriculture and the Agricultural Publishers Association, F. V. Hayden, executive secretary, with offices at 33 South Clark street, Chicago. The purpose of the conference is to initiate a drive for the extension of power lines or individual power plants on farms. The American Agricultural Editors' Association has been asked to participate.

### Opens New Route Mobile to Florida.

In a letter to the MANUFACTURERS RECORD, Col. E. L. Higdon of Birmingham, writing from Caswell, Ala., advises that a new ferry connecting Bar Point on Perdido Bay in Baldwin county, Alabama, with Inariarity Point in Florida has been established and opens a new route into Pensacola, 15 miles distant, over the Gulf Beach concrete highway. Colonel Higdon owns property at Bar Point, within a mile of the Gulf of Mexico, and is building a summer and winter home there. Sites have been sold for the erection of a number of residences.

# Is Texas Next?

## LONE STAR STATE PRESENTED AS LOGICAL CLIMAX TO FLORIDA AND CALIFORNIA.

By WELLINGTON BRINK, Associate Editor, Farm and Ranch, Dallas.

Florida and California and Texas: These are the great natural year-round playground states—Uncle Sam's winter gardens, summer follies—America's favorite sun parlors. Get out the dust-covered geography and look at their coast lines.

And the present Florida "boom" is but the beginning of an inevitable Southward movement of man and money power.

Of the three states which by reason of natural advantages are the logical pivotal points of this Southwide development, Texas alone remains to be heralded to the world. And there is an undertone of activity which presages an early campaign of advertisement of this marvelous Commonwealth.

Florida and California—like the sports they are—always claim the biggest fish. And always receive the jibes that such tales invite. But the throngs continue to travel toward California and Florida.

Texas, having maintained a circumspect silence for so long, these many years, may, therefore, be pardoned while she prods her comely rivals gently and modestly advances her own selling points. For none knows better than Texas that Florida, California and she herself are three of a kind—and the house is not yet full.

The Old Texas is now mostly fiction. The New Texas is fact. And the New Texas, in common parlance, is *the goods*.

Every day, as I see it, is bargain day on the long stretch between Denton and Brownsville, Texarkana and El Paso.

The joy of it is that there's still plenty of room along the counters without crowding—seats for everyone, comfort, service, satisfaction. Here indeed—in Texas—is the one place left to go shopping for varied opportunity. Teeth chattering of Indiana, Minnesota, Ohio and my former state of Kansas cannot go wrong to take their places in line and grab onto their shares of life, liberty and the pursuit of happiness.

Texas is as yet unspoiled, unexploited, not shop-worn.

Her bigness is not merely the bigness of miles and money. Yet the Lone Star State is larger than the *combined* areas of California and Florida by 51,885 square miles, 1920 census.

If you happen to be one of those fact-finding bodies who thrive on diagrams and charts, get out that old palm-leaf fan that helped to circulate the steam last August when Old Sol was broiling a few choice Northern cities.

Look hard at its ribs. Then look again, still more intently. These ribs of the fan represent—futuristically and very roughly, I grant—the soils map of Texas. Likewise, the rainfall map. Likewise, the temperature map. Likewise, several other maps.

In other words, Texas is the sampler state of America—with varied appeals to meet varied tastes and inclinations.

Texas, 1926 model, rises above the haze of ignorance, misconception, falsehood and fantasy, and stands revealed in its true pioneer rôle—as principal in an industrial and agricultural drama of startling proportions.

Her cowboys, it is true, are even now well entitled to romp in song and story. Her Alamo illuminates a chapter of history that will never fade into the dim shadows of memory.

But if we would treat our jaded eyes to the vivid and refreshing realities of Texas in 1926, we must envision her thirty-story buildings, her mighty seaports and ship channels, her year-round golf courses, her balmy golden beaches, her rich treasures in mineral and humus, her briary oil derricks, her enterprising and ambitious people.

This is a versatile state, whose accomplishments range far

into the cultural, the industrial and the agricultural fields. For nearly a decade she has led in agriculture, becoming known as the state of billion-dollar crops.

Whoever would have dreamed, a few years back, that New York, long trade mistress of the continent, would be shunted into second place as premier exporter of products originating within a state by burly Texas, tenderfoot of commerce?

It is not a portentous sign—while we're engaged in asking questions—that golf and tennis, polo and horse racing, professional baseball and intrepid aviation, social luminaries and nose-tilting personages have of late formed the habit of breaking jumps between California and Florida, Florida and California, by stop-overs in Texas?

First came overnight stays, then week-ends, then fortnightly recuperations, then somewhat extended holidays. And now it's about got to the point that all the king's horses and all the king's men can't pull Humpty-Dumpty away from this great in-between state where it is so easy to stay, so difficult to leave.

Moreover, where's there a proper incentive for leaving? In Texas we find we can keep as comfortable as in California and as contented as in Florida.

Our Galveston and Corpus Christi bathing beauties don't develop any more gooseflesh to the square inch than those of sunny California and feverish Florida.

Our babbling brooks tell as many tales as gossipy brooks elsewhere. Our mountains kiss the skies as languorously as in other lovely sections.

One of my friends on a recent winter's day received a letter from his brother in Iowa ridiculing a radio announcement from Dallas in regard to the flowers that bloom in the spring tra-la-la—and likewise in the summer, fall and winter. He declared with unholy glee that Texas is getting to be as bad a blowhard as Florida.

The next morning, by way of answer, my friend armed himself with a pair of shears, walked out into his yard, gathered an armful of chrysanthemums and another of American Beauty roses, and mailed the flowers to Grundy Center, Iowa, by parcel post collect.

I've personally spent eight years unlearning what they taught me in school about Texas. Not once in this extended sojourn in the Lone Star State have I been set upon by masked bandits demanding my money or my life. Not once in this time have I staggered movie-fashion over the imaginary hot desert sands, mirages enticing me farther and farther from the wilderness trail. Not once have I encountered melodramatic shooting-irons, stampeding herds of longhorn cattle.

Yet I have not been disappointed.

Grasping the significance of the New Texas—catching something of a panoramic view of this unparalleled empire now flexing itself and preparing for a new era of development—has been a much more novel, an incredibly more exciting, experience than would have been a drab affirmation of advance press-agenting.

Five flags have waved o'er Texas, as any school boy knows. And now there is a sixth, revolutionary indeed—the meaningful streamer of smoke trailing above the throbbing factory. Mills, mills, mills—cotton and woolen; the largest oil refineries in the world. Churning factories. Panning kilns. Twenty-five vessels at a time in the Houston turning basin. Ships loading with lumber, rice and oil at Beaumont. Oil barges from Mexico tying up at Port Arthur.

Our cowboys are doing most of their riding on balloon

tires nowadays. And although the square dance revives now and then, most of our ranchmen are doing their listening to old-time fiddlers over the radio.

Barbed wire fences and cotton gins, tractors and cultivators, automobiles and steam railroads, brick and steel and concrete, purebred livestock, standard-bred poultry, pure seed, diversification, adequate banking support of farm and ranch enterprises—these are the chief burs-under-the-blanket that have sent the Texas bronco of popular fancy bucking madly down the road toward oblivion.

We have lost nothing in the transformation. The New Texas has a glamor as distinctive as the Old. It is still the state where character counts more than ancestry. Texans don't greet the newcomer with "Who are your ancestors?" or "What have you done elsewhere?" No, the glad hand is accompanied by the friendly query, "What's your name?" or "Where you goin'?" or "What's your racket, bo?"

Texas lives in the present and works for the future, instead of dwelling in the past and contenting herself with moth-eaten laurels.

Texas is distinctly a young man's state—a state which pays high premiums for youthful brains, initiative, courage and foresight.

Yet Texas is also for men of ripe experience—successful men who have made their marks elsewhere and are ready to play a while. Many of these retired capitalists have made delightful acquaintance of the never-closed Texas golf courses, taken off a few pounds of flesh and a few years, and entered zestfully into upbuilding Southwestern commerce, industry, agriculture and finance.

That is why Texas is the state of few, if any, old men. Patriarchs of eighty slap youths of seventy on the back and call them "Son" or "Boy." Youths of seventy larrup infants of fifty over the shoulders and greet them as "Young Man" or "Kid."

Texas undoubtedly is a good "mixer." The state makes friends easily. Some tumble for, not from, her skyscrapers. Others, noting her magnificent soils, embrace her farming. Lumbering takes some, oil interests others. Sugar refining and gin machinery and pecan orcharding claim their shares of incoming man-power.

George B. Terrell, present Commissioner of Agriculture, writing in the Texas Commercial News, states:

"Texas possesses all characters of soil and climate and can grow all kinds of agricultural products that are grown from the arctic regions to the tropics. Her lands are cheap and productive. She produces nearly one-tenth of all the agricultural wealth of the nation. She produces 40 per cent of all the cotton grown in the United States. Game and fish are abundant. She is the sportsman's paradise.

"Her cities of Galveston, Houston, Austin, San Antonio, Corpus Christi and Brownsville constitute ideal winter resorts. In the lower Rio Grande Valley the seeker for pleasure can find good hunting, good fishing and delightful climate, and feast upon the delicious oranges and grapefruit grown in the Magic Valley. Ducks and geese have sense enough to come to Texas when the North gets cold.

"Texas offers more inducements to the homeseeker, the pleasure seeker, the health seeker and the wealth seeker than any other state in the Union."

Fort Worth and Dallas—in the northern part of the state—are in about the same latitude as the southern boundary line of California. And the influence of the Gulf tempers both winter and summer. Houses are built so that the bedrooms have southeastern exposure. Never is there a night in the summer that does not have its cool breeze from the south—whipping up usually about 9 o'clock and continuing until about 9 the next morning. Four or five hundred miles south of these cities is the beach itself, palm bordered and seductive.

In the river bottoms dwell soft Southern melodies, fragments of which have recently been caught by Miss Dorothy Scarborough, a Texas writer, and preserved in a volume much to be prized by future generations. And in east Texas

hills contentedly bask many a sweet, lilac-fragrant old Southern town—rich in yesterdays, beautiful in reminders of bygone chivalry. And in the fast-stepping cities echoes the thundering traffic of brisk cosmopolitanism.

Lumber mills shriek as they rip paths through dense piney woods. Mountain peaks, in western Texas, look down solemnly from their eminence of 7000 feet. And before we reach these towering masses we must cross numerous rock-bottomed streams, clear as crystal, fast as scurrying seconds, incredibly beautiful in their foamy whitecaps—fated to turn the gigantic turbines of the nearby tomorrows.

The Panhandle and the South Plains specialize in healthy bank accounts and hardy citizens. The residents of this section are accurately termed the modern Vikings, embodying all the vigor and bravery of the Northmen of old.

Magic Valley? Mercedes? Mission? Harlingen? San Benito? McAllen? Ah, it is a gorgeous segment of the artist's canvas! Bright towns and dazzling opportunities. Soil amazingly rich. Flowers and fruits. Satsumas and sunshine. Smooth paved roads. Clean cultivation. Opulence and optimism. A river whose glories are expressed only in the lilt of soft Spanish song.

Within ten years it is thought probable that this part of Texas will be shipping to the North more grapefruit and oranges than —. But this is no time for prophecy when there's so much to tell.

Just the other day I ate a hearty dinner of Texas products, chief item of which was wild turkey. The day before that I went a-nutting and came back with a winter's supply of pecans. And tomorrow, if I'm lucky, I intend to set my teeth in some juicy Texas venison.

Yet the domesticated turkey—an improved bird—is being shipped to Northern tables from Brady and Cuero and a score of other points by the hundreds of thousands in refrigerated cars. And prime Texas beef—better than the more novel venison, and long having superseded the ancient longhorn—is on millions of American tables.

It is said that Florida was 45 years getting ready for the spotlight. California, at the opposite coast, has been gathering together her much-wanted climate ever since the gold rush of '49.

Texas, however, has gone Florida and California a few million years better in the matter of preparation. Ma Nature—whose administration antedates even that of Ma Ferguson—has been working long on the coming-out party of this, her fairest debutante daughter. She has laid a beauty that is more than skin deep across the face of this noble state.

Deep sink Texas deposits of iron, kaolin, molybdenum, quicksilver, silver, zinc, asphalt, coal, lignite, sulphur and the rest of a long catalog. Broad flow her subterranean lakes of oil, sailing their thousands of mast-like derricks.

Texas swings wide her doors. Unprecedented trade with Mexico and the Latin-American republics is wiping its feet on the mat and venturing over the sill. Eastern capital in money and brains is pouring in at the northern gateways.

Citizens' societies for advertising Texas are beginning to make their appearance. National and international conventions, held in the several cities of great hotels and good auditoriums, are serving to acquaint the distant regions of the earth with the fact that Texas is civilized and no longer wears chaps and spurs. A quiet movement is under way to repeal the state inheritance tax for the purpose of loosing the strings holding back a flood of hesitant dollars.

Is Texas the new Promised Land? The next El Dorado? The logical climax to California and Florida?

Well, I happen to know that Horace Greeley Smith, sage par excellence, who has already moved his own household goods to the state, recently wrote back home to the boy he left behind him:

"Come to Texas, young man; COME TO TEXAS!"

# A Successful Store-Chain System Is Applied to a Farming Project.

By DR. THOMAS TAPPER.

The world has witnessed in recent years many a land-development proposition seemingly based upon a perfectly reasonable operating plan, but many of them have failed because in the original plan there was nothing logical set up and soundly tested out to unify the effort of the purchasers; nothing was projected in the beginning that would insure a working partnership for mutual service, satisfaction and prosperity. In short, disaster follows any undertaking whose plans are weaker than the promises that are advanced to support them.

Now, however, a new colonization plan is proposed on well-tested lines—to sell small-acreage farms to men upon such conditions and with such efficient assistance that the purchaser shall ultimately pay for his farm out of the profits of his own operation of it. The man behind the proposition is a national figure of outstanding practicability and integrity—J. C. Penney, who in 1902, at 26 years of age, had saved up \$500, which he paid, together with a note for \$1500, for a one-third interest in a \$6000 store enterprise in Kemmerer, Wyo. This little store, situated among others that for long had done a credit business, announced its intention to sell only for cash, but added an assurance that it would give good value at a fair price. Mr. Penney was informed emphatically by many men of Kemmerer that it would be a matter of only a few weeks—at most, a few months—when the cash-and-carry feature of his business would close him out.

But there were added to the cash-and-carry feature other factors that slowly made their way into the buying habits of the miners and townspeople of Kemmerer. These were: First, a value that was outstanding; second, a service that was never off the job—a service that knew no limit or tax of time, patience, effort and a desire to please; and, best of all, a man not only desirous but eager to make each customer so satisfied that he would come back. The consequence was that in the first year this little store did approximately \$29,000 worth of business.

Ultimately, on this foundation, store was added to store, as capable men were found to manage them, and these men were taken into partnership, until, after 23 years, the little store at Kemmerer has expanded into a chain of nearly 700 stores, operating in 44 states, and the \$29,000 of gross business of 1902 became in 1925 a gross business of rising \$91,000,000. The J. C. Penney Company chain has grown from one store to nearly 700 because of its sound type of service to the public and the partnership participation plan extended to its managers. Here is found a business principle simple in its working conditions and sound to the very core.

Recently Mr. Penney has been able also to turn his attention to his boyhood love for farming and stock raising by establishing at Hopewell Junction, Dutchess county, New York, what is perhaps the most outstanding Guernsey herd in the world. And while this herd was developing he looked around to discover an acreage large enough to carry out a plan which has long been a cherished ideal with him. Mr. Penney has been convinced that if he could find a tract of land so favorably situated that it would lend itself to the development of small farm units it could be operated upon the general plan which has characterized the operation of the J. C. Penney Company stores. In brief, his desire has been to secure a large acreage, to divide it into small holdings, to offer these to farmers on conditions that would

permit a man to pay for his farm home out of the actual production of the soil.

Mr. Penney now has found a property which he considers ideally fitted to the carrying out of this plan—a plat of 125,000 acres adjacent to the town of Green Cove Springs, Clay county, Florida. This tract is not merely an undeveloped territory; there are scattered over it nearly 300 dwelling houses, many with barns or other outbuildings, all in good condition and readily adjustable to home making. On the property there are a large and well-equipped cannery, a 16-mile railway which connects with the main line from Jacksonville into Green Cove Springs, a dairy, an extensive poultry-plant equipment, a camphor farm and factory, a sugar-cane farm and mill, and such necessary factors as a school, hotel and community store. Mr. Penney has provided an expert farm organization to work hand-in-hand with every man who is accepted as worthy of consideration for the purchase of individual farms. This plan, in its simplest form, is this:

Experts are sent out either to find or to meet men desirous of taking up acreage on the property, and these men are investigated as to character and ability. If they are found to be acceptable, they are offered a farm unit, not for immediate purchase but for one year's experimental working. Each man so accepted must have enough money to move from his present home to the farm unit which is to be assigned him and to pay for the living expenses of his family for one year.

When the prospective purchaser takes up his responsibilities on the tract, a purchase price is named for the particular farm he is to work. He is required to spend one year upon the tract, to try it out and to be tried out by it. If, at the end of the year, he finds the conditions to his liking, and if the farm organization finds him to its liking—in industry, ability and desirable characteristics—he is offered the farm at the valuation set upon it 12 months before. It is further agreed that he shall pay for it out of the earnings of the farm itself. He is then in the position of the store manager whose interest in a store is sold him on like conditions—to be paid for out of the profit of the store or, in this case, out of the profit of the farm.

If, however, at the end of the first year, the arrangement is not mutually satisfactory, the farmer is allowed to sell his crop, there being no charge either for his year's residence or for the crop itself.

The farm organization will help this man in many ways. First, it analyzes the soil of his tract and an expert agriculturist advises as to the best type of crop for each particular farm unit. All service that is common to all the farms will be provided to the individual at cost—for example, tractor plowing, nursery stock, nursery plants, such as tomatoes, celery, beets, etc. An expert will be provided to work with the housewife for the upbuilding of the home, laying out a program that will operate progressively. The agricultural director will assist the farmer, first, in the production of food for the family; second, in setting out, raising, harvesting and selling the main crop. Also, plans are being worked out for the co-operative sale of everything produced on the individual farms, the cannery itself being capable of taking care of the produce of thousands of acres.

So, with the gradual development and perfecting of the plan, individual units are to be farmed under the expert guidance of the Department of Agriculture. Close co-opera-

tive assistance on the part of the farm organization will be provided. Under a domestic science director, the gradual development of the house, and of the grounds adjacent, into a home will be carried out. The household cow, sold to the farmer from the dairy, will be under continual observation. The poultry farm will supply young pullets at cost. Fruit trees will be supplied, also at cost, by the farm nursery, and all operations centering in the individual farm will be under the constant scrutiny of experts.

At the present time a school is in operation, under competent principalship, where the farmers' children receive the same elementary training as the public school system provides. Such necessities as clothing, goods and family supplies in general will be for sale at the community store.

In brief, everything is being done to make the work of the individual farm both scientific and economical, linking it closely with the central organizations, and standardizing, as far as can be, its operations and production. This principle in practice has resulted in the development of the J. C. Penney Company chain of stores to a point infinitely beyond what its founder and his associates had deemed to be possible. The principle is now to be applied to the upbuilding of individual farms. No reason is seen why, with men properly chosen, with a standardized system of farm operation, with the removal of guesswork from agricultural processes, the plan of "partnership" should not apply equally well in aiding men to acquire a plot of ground and to pay for it out of what the ground will produce.

Mr. Penney recognizes that there is a lifetime's work involved in transforming 125,000 acres of land, much of which is not yet cleared of timber, into prosperous farm homes. But the organization that is being set up to accomplish this task is composed of men of efficient knowledge and the ability to make possible the most practical outcome of effort directed upon plans. The financial return will necessarily be slow, while expenses of projection, development and general operation are immediate and large. However, with the operating scheme fundamentally secure, with the choice of the right type of men as occupants of the individual tracts, with the development of the community spirit and, fundamental to all, a standard process of agricultural development, the outcome is considered as well assured as man's foresight can make possible.

### Ice Cream Consumption Increased.

The consumption of ice cream in the United States has increased from 1.04 gallons a year per person in 1910 to 2.8 gallons in 1925, the Department of Agriculture has announced. Per capita consumption in 1924 was 2.5 gallons. The total quantity of ice cream consumed last year is estimated at 322,729,000 gallons, compared with 285,550,000 gallons in 1924 and 260,000,000 gallons in 1920.

Increased consumption is said to be due largely to improvement in quality and to nation-wide educational campaigns on the food value of ice cream. The popularity of ice cream has increased rapidly in England, Germany and some other countries. England is reported to have increased consumption more than 100 per cent in the past year.

### New \$350,000 Building for Theological Seminary.

Louisville, Ky.—General contract has recently been awarded to the Struck Construction Co. of this city for the erection of a \$350,000 building for the Southern Baptist Theological Seminary here, to be occupied as living apartments by married students. The building will be three stories, of brick and reinforced concrete, with concrete foundation and slate roof. James Gamble Rogers of New York is the architect, and Arthur Loomis of Louisville, associate architect.

### More Than Billion Dollars for Rural Roads in 1926.

Highway construction and maintenance in 1926 will equal and possibly exceed the progress made in any other year, according to estimates from the various states compiled by the Bureau of Public Roads of the United States Department of Agriculture. A total of \$1,030,286,948 is available for construction and maintenance of all rural roads.

Fifty-eight per cent, or \$598,590,948, is to be available to the state highway departments, of which \$461,515,400 is for construction and \$137,075,548 for maintenance. These funds will provide for the construction of 6751 miles of asphalt, concrete and brick paving, 14,320 miles of sand-clay, gravel and macadam, and 8145 miles of improved earth road. The states also plan to maintain 234,582 miles of road.

The total expenditure by counties and local units for both maintenance and construction is estimated at \$431,696,000, which is less than the similar estimate made one year ago by about \$31,000,000. This reduction is more than offset, however, by the increase of more than \$58,000,000 in funds estimated as available to the state highway departments. For a number of years there has been a trend toward placing control of all important state roads in the hands of the state highway departments.

Funds available as reported by the various states and the portion of the state funds derived from Federal aid are as follows:

	Probable Expenditure by State Highway Departments.	Federal-Aid Funds Available to States.*	Probable Expenditure by Local Authorities.
Alabama . . . . .	\$9,900,000	\$3,547,911.69	\$12,000,000
Arizona . . . . .	4,200,000	3,084,742.68	630,000
Arkansas . . . . .	6,500,000	1,534,751.77	9,000,000
California . . . . .	14,000,000	4,248,299.76	23,000,000
Colorado . . . . .	4,550,000	3,285,370.65	5,000,000
Connecticut . . . . .	7,785,289	1,611,062.57	2,500,000
Delaware . . . . .	2,930,000	367,537.65	900,000
Florida . . . . .	14,000,152	1,400,910.74	18,000,000
Georgia . . . . .	7,324,750	1,931,087.02	13,000,000
Idaho . . . . .	2,837,000	1,271,409.28	1,500,000
Illinois . . . . .	46,200,000	6,674,248.74	20,000,000
Indiana . . . . .	13,200,000	2,382,667.87	40,000,000
Iowa . . . . .	13,584,108	4,028,631.46	16,000,000
Kansas . . . . .	9,072,000	3,073,831.15	10,000,000
Kentucky . . . . .	12,000,000	2,486,349.23	10,000,000
Louisiana . . . . .	9,250,000	1,856,350.57	7,000,000
Maine . . . . .	8,983,400	1,513,478.38	3,900,000
Maryland . . . . .	7,116,398	654,830.74	3,200,000
Massachusetts . . . . .	13,000,000	2,673,200.94	12,000,000
Michigan . . . . .	11,500,000	4,603,378.63	22,000,000
Minnesota . . . . .	21,500,000	2,111,863.44	6,500,000
Mississippi . . . . .	6,250,000	1,698,458.08	6,000,000
Missouri . . . . .	28,076,000	2,600,235.10	12,000,000
Montana . . . . .	1,350,000	5,714,746.27	1,000,000
Nebraska . . . . .	6,500,000	3,941,841.00	8,500,000
Nevada . . . . .	1,670,000	1,049,593.49	400,000
New Hampshire . . . . .	3,550,000	511,347.83	1,500,000
New Jersey . . . . .	22,900,000	985,680.83	8,300,000
New Mexico . . . . .	3,555,553	2,750,373.17	200,000
New York . . . . .	35,750,000	6,938,224.36	26,641,000
North Carolina . . . . .	16,000,000	1,715,137.99	10,000,000
North Dakota . . . . .	5,450,000	2,506,152.20	3,500,000
Ohio . . . . .	25,500,000	4,502,826.16	20,000,000
Oklahoma . . . . .	10,000,000	1,894,068.61	12,000,000
Oregon . . . . .	7,000,000	1,319,943.74	7,000,000
Pennsylvania . . . . .	63,550,000	3,699,19.10	12,500,000
Rhode Island . . . . .	3,790,000	675,753.65	875,000
South Carolina . . . . .	5,540,000	802,885.46	2,500,000
South Dakota . . . . .	3,350,000	1,282,672.87	5,250,000
Tennessee . . . . .	18,000,000	2,374,596.79	9,000,000
Texas . . . . .	28,000,000	4,979,640.84	16,000,000
Utah . . . . .	3,640,798	1,502,010.18	500,000
Vermont . . . . .	3,530,000	801,796.98	700,000
Virginia . . . . .	10,285,500	1,481,535.84	2,800,000
Washington . . . . .	9,000,000	1,527,002.22	11,000,000
West Virginia . . . . .	13,750,000	912,454.24	6,000,000
Wisconsin . . . . .	20,970,000	5,143,634.95	10,700,000
Wyoming . . . . .	2,200,000	1,024,811.51	900,000
<b>Totals . . . . .</b>	<b>\$598,590,948</b>	<b>\$118,768,488.42</b>	<b>\$431,696,000</b>

\*Included in total probable expenditure by state highway departments.

### \$350,000 Hotel for Crystal River, Fla.

Crystal River, Fla.—Foundations are being laid for a \$350,000 hotel to be erected here by Anderson & Satten, who are handling construction. The building will be 150 by 100 feet, three stories, tile and stucco, concrete foundation and tar roof. Hamill & Breganza of Tampa are the architects.

# Barron of Wall Street Journal Discusses Florida.

## SOME FACTS ABOUT THE WONDERFUL PANORAMA NOW UNFOLDING.

Of the scores of articles written in recent days about Florida, many by men of keen, analytical minds, it would be hard to find one of more interest than the first of a series by C. W. Barron, published in the Wall Street Journal. It would be hard to find one of more significance, for Mr. Barron is general manager of the Wall Street Journal and is a trained and expert business and financial observer. So, Mr. Barron thus opens his series:

"Values are not made by nature. They arise from the labor of man. Nature—the sun and the soil—gives the opportunity. But, man must produce. There is no value without man and his labor.

"Nowhere is this better exemplified than in Florida's development. The great seacoast line of Florida was without value until man arrived and began to build. The greater values have come where man has dug and dredged and made the land. The old idea of taking a farm or acres and splitting it up into lots, leaving the builders and landowners to make any kind of town they pleased, has passed. Florida represents a new era in land development and home building."

In other words, as Mr. Barron sees it, the slipshod, haphazard, "half-baked" development of other sections in the past have now been translated into orderly, businesslike, constructive methods in the present in Florida.

As the first illustration of the procedure and results under this new plan, Mr. Barron cites Coral Gables, "a city now building from the ground up under unified engineering art and architecture." Every detail, he explains, is under supervision of a board of supervising architects; "but everything to make a city, from boulevards, electric light, fountains and squares, is to be provided, and to the extent that when plans are finished the child at Coral Gables may pass from the kindergarten through the university in his own home town—he will have his swimming pool, his tennis court, his golf course, his beach front for bathing, recreation and boating, all within the town; likewise, his theater, moving picture and season of opera."

Originally, says Mr. Barron, this city site was a narrow strip of land, reached through a mangrove swamp, and all but the beach front has been developed "by pumping sand from the bay and filling the mangrove swamps."

"The best thing about the men of Miami is that they put their money back just where they made it and go on with the development," says Mr. Barron. "It is said that N. B. T. Roney came to Miami with \$1000 of borrowed money and made \$9,000,000 in a day," and he "now is the largest operator and builder at Miami Beach." In effect, Mr. Roney did not "cash in" and pull out of the game, but continues his investment and enhances its value by constructive work.

"That there is something more than rising land values at Miami and roundabout is testified to not only by the hundreds of lumber-laden vessels that have been doing business around the railroad embargo, but also by the fact that Gaston Drake, who runs several lumber yards, did a business from one yard in a single month last year of \$500,000," says Mr. Barron.

The shortsightedness of persons who had not faith in Florida is inferentially cited by Mr. Barron in the case of a foreign concern which "had owned the eastern half of Key West for more than 15 years and probably had been long anxious to get its money out." Malcolm Meacham of New York bought that 1000 acres for \$500,000, and "the Englishmen probably felt they had made a good sale when the cigar business last summer left Key West on account of labor trouble and the population went down from 25,000 to 15,000." But:

"Meacham was not looking at Key West's present popula-

tion," says Mr. Barron. "He saw a greater success from the proposed motor highway over Florida's keys than ever came to them from Flagler's East Coast Railway, and he was not ambitious for any boom development. He knew the meaning of Florida land development by the seacoast and that the initial cost was only the beginning. Although he bought at only \$500 an acre, he knew he would have to spend \$5000 an acre to make his development and realize the profit.

"This is the real meaning of the man-made land, the seashore development and the suburban development now going on in Florida and differentiating it from every other land development that ever was written in the history of the world. \* \* \* It is man and his labor that make the values, perform the service for many individuals and gather the profit for the service."

The building of the Dixie motor highway down the east coast of Florida is cited by Mr. Barron, while "the Overseas highway adds possibilities for more than 100 miles of seacoast development below Miami; how many hundred millions, or how many billions, will go into this development no man can foresee," he adds.

"One must study carefully the Florida land speculations; from them is bound to flow many consequences," says Mr. Barron.

Beyond this, in other articles, Mr. Barron brings out further points of interest, as, for instance:

"Harriman, the recreator of Union Pacific and the sustainer of American railroad credit in its most trying period, was the son of a clergyman whose average salary did not exceed \$600 a year. The son left a family fortune of \$150,000,000, which was just an ordinary dividend on the value of what he gave in his life's work to the railroad system of the country. The poet and dreamer who built Coral Gables and is now expanding it is the son of a Congregationalist minister from Chelsea, Mass. Henry M. Flagler, the builder of Florida, was the son of a Presbyterian minister, whose salary was \$400 a year.

"Flagler did not open the east coast of Florida for profit, as it is generally supposed. Neither has his estate ever realized interest on his Florida investment, as is popularly supposed. Flagler planned not alone for Key West but for Cuba, with a car ferry between Key West and Havana. Now a car can be loaded in any part of the United States or Canada and taken into Cuba without unloading. There are three big car ferries that take 28 to 32 cars at a time to Havana across the beginnings of the Gulf Stream, and that part of the Florida East Coast Railway is a paying proposition. The entire Flagler development in Florida railroads, hotels and land never earned as much as 5 per cent per annum until within the past three years."

Turning, then, to Boca Raton, as "the latest and grandest conception of the artistic architect of Palm Beach, Addison Mizner," Mr. Barron says:

"Twenty-five miles below Palm Beach, Boca Raton represents 17,000 acres purchased for \$12,000,000 from 100 different owners, largely on time-payment contracts, for the Boca Raton Co. issued only \$3,200,000 of its \$5,000,000 authorized capital. Like all Florida builders, Mizner sees no limit. Addressing the meeting gathered to dedicate his beautiful ground-floor offices in Flagler street, Miami, he said: 'In ten years Palm Beach and Miami should be one and Boca Raton the postoffice.'

Of Joseph W. Young, who reached Florida from the Klondike, by way of California, Mr. Barron says:

"About four years ago he began the development of Hollywood, between the Dixie Highway and the Atlantic, about 16 miles north of Miami. He built a beautiful railroad station and began development eastward therefrom, and is now finishing the immediate development on the ocean front, with a big hotel, large casino and a city of tents. But his ambition is for a city that shall have a tremendous agricultural country developed to the westward, a \$15,000,000 harbor that

shall serve both Hollywood and Fort Lauderdale, and the absorption, or annexation, of Fort Lauderdale. Dania, just below Fort Lauderdale, one of the oldest towns of the state, has just been annexed, and when Lake Mabel, a deep salt-water bayou, between Hollywood and Fort Lauderdale, has been dredged and thoroughly opened to sea-going vessels, Young hopes to have here an industrial city. A few miles to the northwest on one of the drainage canals from Lake Okeechobee surveyors are running lines for a \$30,000,000 or a \$50,000,000 public utility that shall give light and power to south Florida."

As Mr. Barron sees it, the Florida development "covers the major part of the state—and the state has about 20 per cent more square miles than the whole of New England."

### Florida Power & Light Co. to Expend \$20,000,000 for New Construction in 1926.

Fort Lauderdale, Fla.—To provide for the rapid growth of territory served the Florida Power & Light Co., a subsidiary of the American Power & Light Co., New York, will expend \$20,000,000 for new construction during the present year. Its building program includes approximately 700 miles of high-voltage transmission lines and two new steam-electric generating stations for an installed capacity of 60,000 kilowatts, one to be located on the St. Johns River near Sanford and the other on New River near Fort Lauderdale.

The former has been designed and is being partially built for a capacity of 100,000 kilowatts, while the latter has been designed and is being partially built for an ultimate capacity of 150,000 kilowatts. It is expected that before the close of the year a 10,000-kilowatt unit will be in operation at the St. Johns River station and two units of 25,000 kilowatts each in the Fort Lauderdale station. Both stations will be of high-pressure steam-turbine type, of modern construction, and will be equipped to burn either fuel or coal oil, or both. Rail and water transportation for fuel deliveries will be available. In a smaller station generating capacity of about 5000 kilowatts is now being installed, so that a total of 65,000 kilowatts additional generating capacity will go into service this year.

In 1925 the company's electric generating stations and distributing systems in all communities served on the east coast between Miami, Fort Lauderdale, Palm Beach and Stuart were interconnected by a 66,000-volt transmission line. A double circuit is now being added to this line. In other parts of the state generating stations and distributing systems were also interconnected last year. The proposed new transmission lines will be of 66,000 volts capacity, and will extend from Stuart on the east coast as far as St. Augustine, and from a point on the east coast, across the state through Okeechobee to Arcadia, connecting at the latter point with lines already built or under construction, which will tie in the company's properties on the west coast. Thus all the company's properties in Florida, with the possible exception of a few isolated ones, will have been entirely interconnected by the close of 1926 and will then be operated as one system.

With this arrangement it will be possible to place in reserve a number of smaller generating stations, which, it is believed, will result in more efficient operation, improved service and a saving in operating costs. The company now serves 65 Florida communities.

### To Rebuild \$1,500,000 Fire Damage.

Discussing a recent fire at Newport, Ark., Mayor Edwin L. Boyce advises the MANUFACTURERS RECORD that about 300 residences were destroyed, leaving approximately 1500 persons homeless. It is estimated that the loss will be approximately \$1,500,000, with insurance of probably half that amount. Rebuilding will begin as soon as insurance details can be adjusted and construction plans made.

### Additional Details of Florida Airways Corporation and \$3,000,000 Flying Field—Mail Service to Start April 1.

Discussing in further detail plans of the Florida Airways Corporation, recently incorporated to carry mail by airplane between the larger Florida cities, and the establishment of a \$3,000,000 flying field at Tampa, J. R. Regnas, chairman of a special committee of the Tampa Real Estate Board for the location of the proposed field, advises that the new company has incorporated under the laws of Florida with a capital stock of \$1,000,000 and has been financed by Northern capital. It is stated that it owns at present four Ford-Stout all-metal planes for passenger and express service, and that in addition it plans to use a fleet of Curtiss Larks to augment the service in the form of feeder lines and as emergency planes. Service to Northern cities and to Havana is expected to be started during the ensuing year.

The company's headquarters are located at Tampa, and plans are now being made for building shops for general overhauling, hangars and other facilities in the new Tampa air port. The company, it is said, has placed an order with the Ford Motor Co., Detroit, for a number of monoplanes and expects delivery of the first one about June 1. The Board of Trade committee is in touch with manufacturers of parts of planes with a view to securing adequate manufacturers of equipment for the new air port.

Referring to a contract between the Government and the Florida Airways Corporation for the inauguration of the proposed mail service, an announcement of which was made in the MANUFACTURERS RECORD last week, W. Irving Glover, Second Assistant Postmaster General, Washington, advises that service on the part of the contract air mail route authorized from Atlanta to Miami will commence on April 1. A service will be operated on a daily schedule, except Sunday, and will extend from Jacksonville via Tampa and Fort Myers to Miami and return, a distance of 468 miles.

Mr. Glover states that, in addition to advancing mail between Jacksonville and points in central and southern Florida, the service will materially advance mail from Northern cities to these points. Mail leaving New York at 1.40 A. M. on Monday will reach Jacksonville in time to connect with the plane leaving that point on Tuesday morning, which will secure delivery at Tampa, Fort Myers and Miami at approximately noon, 1 and 3 P. M., respectively, whereas present delivery by train is 3.50 P. M. for Tampa, 11.20 P. M. for Fort Myers and 12.20 A. M. for Miami on Wednesday. This represents a gain of a business day for the points mentioned, since train mails reaching Tampa at 3.50 P. M. are probably not delivered to business houses in time for handling the same afternoon.

A corresponding saving in time will result in mails dispatched from southern Florida points. For instance, mails carried from Miami by plane at 7 A. M. on Monday will be due to make train connections which are scheduled to reach New York at 6.55 Tuesday evening, whereas the next dispatch by train would leave Miami at 2.40 P. M. and reach New York at 1.38 P. M. on Wednesday.

### Fort Lauderdale Votes \$3,340,000.

Fort Lauderdale, Fla.—Property holders of this city have voted by a large majority \$3,340,000 of bonds for municipal improvements, including the construction of streets, sewer extensions, addition to water-works and river and harbor improvements. City officials are elated over the success of the issue and state that the proposed improvement program, with nearly \$5,000,000 in building of private enterprises this spring, will make Fort Lauderdale rank high in 1926 development.

# Former Secretary Shaw to Senator Capper on Tariff Protection for Farm Products.

Some idea of the evils imposed on the United States by an inadequate tariff policy is given by former Secretary of the Treasury Leslie M. Shaw in a letter to Senator Arthur Capper, Republican, of Kansas, in the following letter:

"January 9.

"Senator Arthur Capper,  
"Washington, D. C.

"Dear Senator Capper—Over 60 years of conscious observation of the effects of tariff agitation has given me quite pronounced views on the subject.

"No one takes notice when Democrats assail a protective tariff. Only when Republicans call in question legislation they themselves have enacted does the public respond. Our political history records no instance of agitation for tariff reduction that has not passed beyond control, like a bonfire started to please children and ending in conflagration. It has usually taken six or eight years, sometimes longer, to consummate disaster, but disaster has invariably resulted. Three times within my recollection have we suffered the logical result of ill-advised Republican leadership.

"In 1906 South Dakota had become pretty well infected with tariff-revision virus from Iowa, where it was then known as 'The Iowa Idea.' At the Republican state convention that year I warned the leaders of the party in that great state, in part, as follows: 'Please bear in mind there are several times as many people demanding cheaper food as there are asking cheaper manufactured goods.' As always, this warning went unheeded. The disease became a contagion. The President elected two years later proved not immune, and then, with many others of his party, he paid the inevitable penalty of his indiscretion. Woodrow Wilson was elected, and the Underwood tariff resulted.

"The Underwood bill correctly interpreted the never-changing principles of the Democratic party. It placed farm products, grains, vegetables, all fruits except a few grown exclusively in the South, sugar, fresh meats and meat animals, dairy products, poultry, eggs and wool on the free list, while foreign manufacturers of competitive merchandise were boastfully given an advantage over their American rivals in American markets, in the avowed hope that they would take advantage of their gratuitously tendered opportunity, to the end that 'revenue only' might result.

"What followed? During the first 12 months of the Underwood tariff law there was imported of grain, potatoes, hay, butter, cheese, eggs, poultry, meat, cattle, horses, sheep and wool from Canada; butter, cheese and eggs from Europe; eggs literally in shipload lots from China; cattle, fresh meats, wool and hides from South America and Australia, in value \$350,000,000 more than the aggregate importations of like products during the entire preceding Republican Administration, and before the war neutralized the baneful effects of free-trade for the farm and tariff for revenue only for the factory 5,000,000 men were forced into idleness. Which, in your judgment, Mr. Senator, damaged the farmers of your state more, the importation of \$350,000,000 from foreign farms or \$5,000,000,000 clipped from the industrial payroll? Unquestionably American farmers are benefited more indirectly than directly by ample protection for every industry.

"The following figures should interest you, and through the columns of your many publications they ought to instruct a great and growing clientele. Anyone can readily verify them. During the Administration of President Harrison ready and profitable employment, made possible by a protective tariff, enabled the American people to consume an

average of 5.45 bushels of wheat per capita per annum. During the Administration of President Cleveland a tariff for revenue forced economies that resulted in a drop in the average consumption of wheat of a little over one bushel per capita per annum. A decrease of one bushel per capita in our present domestic consumption would double our surplus of wheat. Knowing full well you do not desire this, I implore you to let the present agitation end where it has begun—in dear old Iowa.

"During 1917 and 1918, when we were economizing in wheat so that more could be sent to the boys overseas, we consumed an average of 4.90 bushels per capita per annum, as against 4.44 bushels under the Wilson-Gorman tariff. The wheatless days under Wilson did not take as much bread from the mouths of our children as the workless days under Cleveland. In no year from McKinley to Taft, inclusive, 16 years of blessed memory, did the American people consume less than 6 bushels of wheat per capita, and in one year, 1906, they disposed of a little over 7 bushels.

"Governor Goodrich of Indiana, whose company refines the garbage from several cities, is my authority for saying that the tonnage of garbage dropped materially in all industrial centers during the months when the Underwood tariff had driven 5,000,000 men out of work, and that the grease per ton fell 25 per cent. Before you assist, or even permit, the farmers of your state and mine to attempt to carry out their threat to cripple industry, please show them by the figures that the garbage cans of well-paid American laborers, man for man, affords them a better market than the dinner tables of European workmen or Government-dole beneficiaries. European dinner tables may carry more tonnage, but it is not from American farms. Nothing, unless it be tea and coffee grounds, goes into American garbage except from American farms.

"The Department of Commerce has said that the output of American factories represent 38 per cent of their cost in food consumed. Thus every time the farmers of your state buy \$1000 of merchandise or machinery of American production they create a home market for \$380 of American food. They receive no similar benefit from the purchase of foreign merchandise.

"Nor is this the only encouraging phase of protection. This truth has surprised many, but the fact remains unchallenged that we always import more in per capita value during periods of ample protection than under a tariff for revenue only.

"The present affords an excellent illustration of this universal experience. Our per capita peace-time imports were never as large as now. The reason is simple. When American producers of competitive products of both farm and factory are given such advantage as enables them to dominate their own markets, each group consumes the product of the other, and in the aggregate we dispose of most that we produce. Then being prosperous, we import about every non-competitive thing known to commerce, especially luxuries and raw materials.

"I cite but one of the many illustrations. We now annually import over \$500,000,000 in raw silk, and swell the farmers' market by nearly \$200,000,000 added to the payroll. Not a silk mill in America can operate 12 months under even a competitive tariff if such a thing were possible, for then the foreigner would undersell in our market, cheerfully pocketing his loss until our factories closed, and thereafter he would possess our market as well as his own.

"The other side is equally logical. Whenever tariff rates are purposely placed so low as to give foreign producers of

competitive merchandise an advantage in our markets we are inundated for a few months, our industries are promptly ruined, labor joins the bread line, domestic consumption dwindles, our surplus multiplies, and importations naturally and inevitably decrease.

"I am sure, my dear Senator, that you need not be reminded that a tariff for revenue only is a tariff for only one purpose, and that is to give foreign producers of competitive merchandise a clear advantage in our markets. For unless they have this advantage they cannot import their wares, and unless they import no revenue results and the sole purpose of the law is defeated. Both logically and in practice a tariff for revenue only is a tariff for the sole purpose of giving the foreigner an advantage in our markets, for the sole purpose of increasing the importation of merchandise heretofore produced by our people, for the sole purpose of closing our industries, and for the sole and logical purpose of driving our workmen into the streets. What's more, it works just that way. Instead of all this propaganda of disturbance and unrest, why not teach even the children of your state that if we import next year things that Americans make this year, those thus employed will soon look in vain for work, and their families will look in vain for bread. In industry, if not in blood, Americans are kinfolks.

"Do you realize, my dear Senator, what a blessing to the farmers of this country you might be, both as statesman and as publicist, if you would set yourself to exalting the benefits of the American payroll, upon which, directly or indirectly, we must all rely? However large a man's income, everything he buys, real estate alone excepted, is the product of labor plus profits, and both wages and profits go again to labor. We are one-fifteenth of the population of the globe, yet our annual pay-roll is vastly more than the combined payroll of the other fourteen times as many people.

"This has resulted very largely from the simple fact that the Republican party always has, does and always will foster industry. I have many times during political addresses offered my check for \$1000 to anyone who will name a single industry now in successful operation, from pearl buttons to locomotives, that had its origin in Democratic pre-war or post-war legislation.

"I 'listened in' the other evening and heard a representative of the Department of Commerce broadcast the prediction that in 10 years we will be importing food. Already there is a per capita shortage of both cattle and hogs. It is a matter of common knowledge that in anticipation of lack of food the Department of Commerce is now conducting a series of deep-sea explorations in the hope of discovering flesh or vegetable that can be used to sustain life. These predictions will prove unwarranted and the precautions useless unless we multiply factories rather than farms. No one can predict the price of wheat as soon as we have to import.

"War-time prices for farm products simply afford an example in the inexorable law of supply and demand, and the slump furnishes another unanswerable illustration. The price of farm land advanced as prices of land products advanced; but, unfortunately, the volume of farm mortgages increased more rapidly than either. Those who paid off their mortgages with \$3 wheat or \$2 corn are now on Easy Street. The sufferers are those who are facing war-time mortgages with peace-time demand, and therefore peace-time prices.

"There can be but one remedy. That is the natural and logical remedy. Let the many thousand worthless farms, those on which men under most favorable conditions can only exist, be abandoned. Let their present occupants join the ranks of well-paid labor, restrict immigration, multiply industries, swell the payroll, and in less time than the Department of Commerce predicts lands will be worth the prices at which they are now held. Waging war is not the only way by which demand can be increased and supply decreased.

Multiplied industries, able to pay a wage that will invite men from poor farms, is just as sure and preferable from every angle. Ample protection for every industry and freedom from agitation will accomplish the end so devoutly wished.

"But it is not my purpose to attempt instruction. What I seek is information. Whatever may be said of advocates of tariff revision from other states, I know mighty well that you are not deliberately renouncing all political dreams except for what must seem to you patriotic justification. You must have heard your name many times coupled with possible high office, but no one knows better than you that a Republican convention has never but twice chosen a standard-bearer known to be unsound on the tariff, and in each instance the steam roller did it. As well might a modernist seek elevation to the bishopric in the Catholic Church as for a revisionist to seek anything at the hands of a Republican National Convention.

"You also must remember that only once in our history has a party even attempted to revise the tariff downward and carried the next election, and in that instance it was the slogan 'He kept us out of war,' rather than the free-trade record of an Administration, that carried the country.

"Republicans attempted revision downward in 1882, and Cleveland was elected two years later. In his first message to Congress Mr. Cleveland recommended free wool, free hides, free coal, free raw materials generally, as well as free agricultural products. The Mills bill passed the House, and although it was defeated in the Senate, Republicans carried the next election, and Harrison carried the country in 1888. In 1890 the Republicans enacted the McKinley bill, which was an attempt to revise the tariff downward, and 30 days thereafter we lost the House by the largest majority then in the history of parties, and Cleveland was returned in 1892. The Wilson-Gorman bill was passed in 1893, we elected a majority of the House in 1894, and placed the greatest of all exponents of protection, William McKinley, in the White House in 1896. Then all went well until 'The Iowa Idea' proved a catchy allurement in 1906. President Taft sanctioned an attempt to revise the tariff downward in 1910, and as a result lost the Congress in the election of that same year, and all but two States in 1912. Then came Wilson and the Underwood bill, and as soon as war issues were out of the way the country went back to protection with a bang. I repeat that with the single exception, when war issues saved an Administration, no party has even so much as attempted a downward revision of the tariff and carried the next election.

"Whenever the people have stood prosperity as long as they can, and really decide to abandon protection, they place the responsibility for such a procedure upon the party that does not believe in protection. Then whenever they decide to try another period of prosperity, they return to power the party that believes in protection. The American people never choose a physician of one school of medicine to administer remedies exclusively employed by another.

"If a new tariff law could be made overnight, the effort would be less damaging. Apprehension of the unknown is often more demoralizing to business, as well as to children and masses, than the worst that can happen. While President Cleveland's recommendation of free wool and many other things in 1885 failed of consummation, the fear of it clipped over 30 per cent from the price of wool, and in the two years pending discussion of the Mills bill, finally defeated by the Senate, farmers who sold their livestock at the Union Stock Yards in Chicago received \$10,000,000 less than they had obtained for a fewer number of animals during the previous two years of President Arthur. This is both natural and inevitable.

"If you were contemplating the erection of an office build-

ing, or even a church, and you learned that the Administration of Heaven had gone into agitation over the law of gravitation, and proposed so to revise it as not to kill women and children, or sink ships, would you proceed to build; especially, if you recalled that similar attempts had invariably resulted in universal collapse? It seems to me, my dear Mr. Senator, you should recognize that you are jeopardizing business and national prosperity, as well as bidding good-bye to your own political prospects.

"In the face of all this, which are matters of public knowledge what, may I ask, warrants this new attack? Surely you see some great evil that demands adjustment. What is it, pray? You helped make the present tariff law, and you got for the farmers of your state everything you dared ask. The only reason you did not get more is that you did not ask more, and the reason you did not ask more is there was nothing more to ask. I challenge anyone to name a measure upon which the farmers of this country have been united that a Republican Congress has failed to give, and on a silver platter. There never has been, is not now, and never will be occasion for a farm bloc. Everything that farmers thus far have desired, unless it be squarely in the teeth of the inexorable laws of nature or economics, has been had for the asking. No other interest has fared thus, and none other deserves as well.

"We read that once upon a time a sycophantic people cajoled old King Canute that he was such a wonderful sovereign that even the tides would obey him. He defied them and failed. Neither the laws of physics nor the laws of economics can be set at naught either by a sovereign king or by a sovereign people. Both laws are inexorable.

"I think, my dear Senator, indeed I am persuaded, that you owe it to me, that you owe it to your party, to your state, to the people of this nation, and to each of them, and above all that you owe it to yourself to be at this time exceedingly frank. What changes in the present tariff law would you make if you could? This is no time for generalities. What is all this about, anyhow?

"LESLIE M. SHAW."

#### New Dust-Handling Equipment for Grain Elevators.

Improved dust-handling machinery has been designed by the Bureau of Chemistry, Department of Agriculture, for installation in grain elevators for the prevention of dust explosions. This equipment is expected to meet objections to the use of dust-collecting systems on the ground that they affect the weight of the grain. Although the new system was developed as a result of experiments with special laboratory equipment, recommendations for its installation are based on a survey of some of the principal grain elevators of the United States, which indicated that it would be possible to adapt the system to the larger grain-handling plants of all types.

In Department Bulletin No. 1373, issued by the Department of Agriculture, the mechanical methods of controlling dust conditions have been divided into dust collection and dust removal.

Detailed drawings representing every phase of the equipment and manner of installing at all points where dust is collected are included in the bulletin.

#### Plans for \$1,000,000 Church Building at Richmond.

Plans for the first unit of the new building to be erected at Richmond, Va., by the First Baptist Church of that city at a cost of upward of \$1,000,000, including furnishings and equipment, are expected to be ready soon. It is estimated that the structure will cost \$715,000, exclusive of furnishings and organ. The building will be 244 by 330 feet, three stories above ground and two below, of steel frame construction.

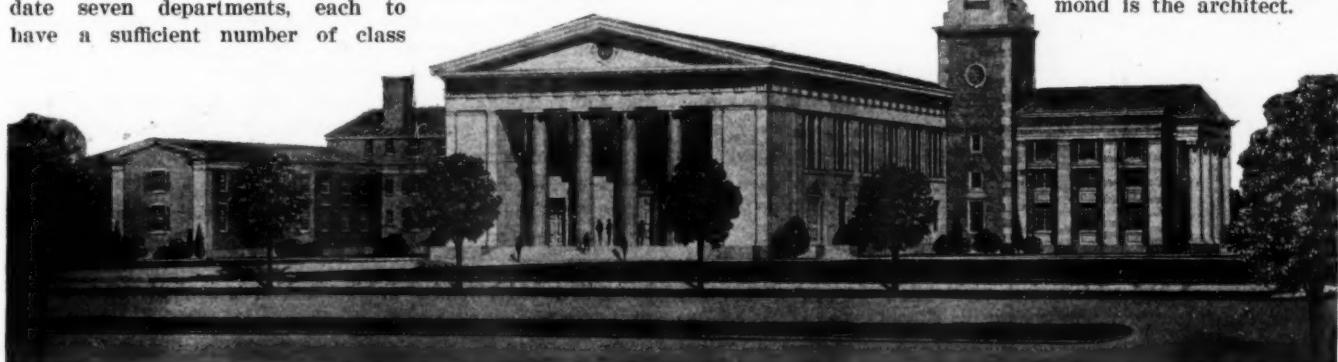
The church auditorium will be of Indiana limestone, with columns and cornice of the same material, and base course and steps of granite. A wing to be erected on the boulevard will be of brick with limestone trim, pilasters and portico, the remainder of the entire building to be of brick with limestone trim, granite base course and steps. All windows will be equipped with metal sash, except those in the Sunday-school wings, which will have double-hung wood sash. The church auditorium and secondary auditorium will be heated by a split system, which will provide for proper mechanical ventilation in conjunction with indirect vapor heat, while the remainder of the building will be heated by direct vapor.

The Sunday-school wings have been designed to accommodate seven departments, each to have a sufficient number of class

rooms, assembly room and auxiliary rooms. The main floor of the church proper will seat 1250 and will be provided with several entrances. It will be of the bowled type, inclining slightly from the rostrum to the rear. Choir space will be semi-circular in shape and will seat 66 people. The baptistry will be located above the choir space.

Immediately back of the church auditorium, and fronting on Park avenue, the secondary auditorium and adult assembly room, to seat 700 on the main floor, will be located. The second floor of the Sunday-school purposes department, provision torium to seat 350. On be provided for Sund other facilities. Jani ing room, kitchen and vided in the basement, level there will be a auxiliary rooms, phy apparatus room.

Herbert L. Cain of Rich mond is the architect.



\$1,000,000 STRUCTURE TO BE ERECTED FOR FIRST BAPTIST CHURCH, RICHMOND.

# \$24,000,000 in Building at St. Petersburg for 1925.

A GREAT RESORT CITY WHICH SEES ALSO THE ADVANTAGES OF PORT DEVELOPMENT AND OF NEW INDUSTRIES.

By E. E. GARRISON, Chamber of Commerce, St. Petersburg, Fla.

Building records have become an accepted barometer of progress in Florida. The past year has seen all records broken throughout the state, but a question often heard is: "What about 1926?" Assuming that building records are a progress barometer, the year 1926 holds promise for even greater progress than 1925 for the Sunshine City. In January, for example, building permits represented a construction cost of more than \$2,100,000, more than twice the value of permits issued for January, 1925. And January is considered a dull month.

The \$24,000,000 building record of St. Petersburg last year has served to focus greater attention on the Florida west

the city charter a maximum of two and one-half mills of the city tax may be used for advertising and the entertainment of winter visitors. This year the entire sum which might be used for this purpose was not appropriated, but the city is spending in the neighborhood of \$175,000 for its advertising and entertainment program. In addition, citizens have subscribed more than \$150,000 for the support of the Chamber of Commerce, and much of this is used for advertising. Appreciation of its own advantages and the will to pay for advertising these advantages to the world has been a material factor in the city's growth.

Something else has happened in St. Petersburg in addi-



CENTRAL AVENUE, ST. PETERSBURG, SHOWING SOME OF THE 1925 CONSTRUCTION.

coast. St. Petersburg has long been recognized as the "tourist" capital of the Gulf coast of Florida, and its progress in 1925 is an evidence that the great resort cities of the state have still to discover the full possibilities of growth and popularity.

In addition to resort construction, however, there is growing in St. Petersburg a keener appreciation of industry and shipping. New hotels, apartments and homes are going up rapidly, but also new industries are coming in and development of the port for deep-water commerce has given the city a new vision. There are various predictions as to the future of the city—500,000 population in a few years and the like—but, regardless of guesses, the opportunity for consistent progress is directly ahead.

St. Petersburg is a living example of the value of good advertising in the upbuilding of a city. It is among the leaders in community advertising in Florida and is generally credited with paving the way for the present method of community advertising through funds raised by public tax. The tax rate in the city this year is ten mills, and according to

tion to the quickened interest in industry and shipping, as well as in resort activities. That is, a more active participation in civic affairs by residents of the city and environs. Through the Chamber of Commerce, which has a membership of approximately 5000, nearly one hundred of the most prominent merchants and business men have been organized to promote the interests of the city. In former years much of the energy of the commerce body was concentrated on the city's advertising. Now it has become a great clearing house for civic matters and an invaluable aid to municipal officials.

For many years St. Petersburg devoted its energies almost wholly to its resort facilities. This proved a wise move and laid the foundation for success and popularity as a resort center. The influx of a large permanent population, however, and a constantly enlarging winter population brought problems of a different sort, and all-the-year activities and ways and means of promoting them have recently come more to the front. Not that anyone has any idea St. Petersburg will not continue as a resort city. This is admittedly its chief destiny. But there can be no harm,

it is argued, in mixing a few compatible industries with the "tourist industry," and the development of the city's deep-water harbor has emphasized this matter more forcibly.

Going over the accomplishments of the past year, St. Petersburg points to its building record; to its bank resources, which grew from \$26,593,242 to \$49,922,189, and to its bank clearings, rising from \$100,000,000 to more than \$190,000,000. Daily bank clearings for the last week in January were above \$1,000,000, and these figures only apply to banks in the clearing-house association.

In 1925 postal receipts were \$275,680, and of this amount \$205,579 belongs to the period between July 1 and December 31. Municipal railways showed an increase of almost

many needs and wants. There are, for example, 183 miles of paved streets already completed and 116 miles under contract. Sewers, water and gas mains and other utilities constantly require extensions. It takes a great deal of money to carry out such a municipal building program as that upon which St. Petersburg is now engaged, and the total of bond issues approved and validated or to be approved by voters, exclusive of bonds voted for a special road and bridge district free causeway to the Gulf beaches and street paving, is in the neighborhood of \$8,000,000. It is a commentary on the stability of St. Petersburg that a few days ago its bonds were purchased at par in the face of a declining market.

It is difficult to estimate the population of the city. The



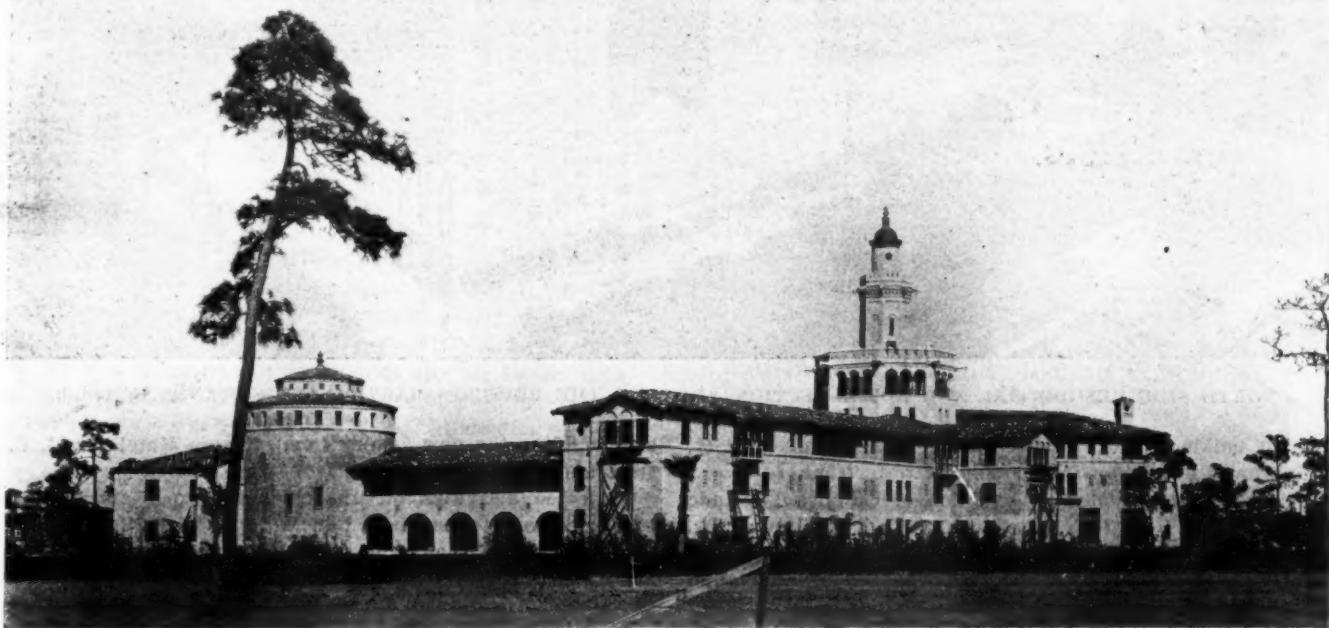
NEW VINOY PARK HOTEL—A \$3,500,000 PROJECT OPENED JANUARY 1, 1926.

2,000,000 passengers in 1925 over 1924. More than 2000 new gas connections were made during the year, and gas consumption increased from 257,075,080 cubic feet in 1924 to 311,755,230 cubic feet in 1925. Public school enrollments show an increase of nearly 2000, while the number of school buildings has increased from nine to twelve.

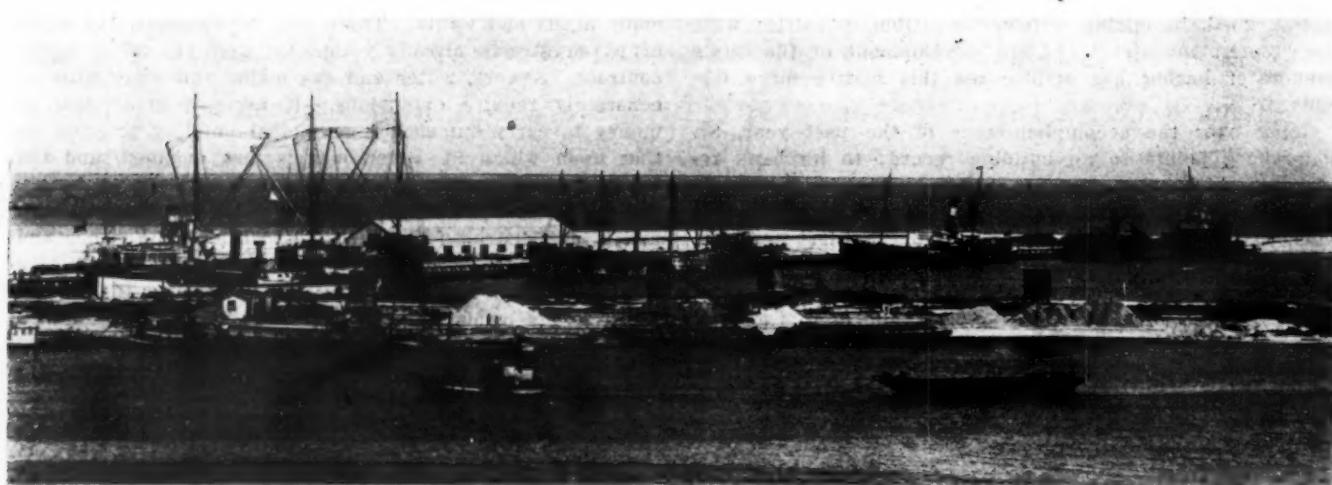
St. Petersburg has an area of 55 square miles of land and 50 of water, such an expanse being productive of a great

consensus of opinion seems to be that the permanent population is between 45,000 and 50,000, and the winter population in excess of 125,000. These estimates are reasonable, in view of the fact that the city has nearly 100 hotels of all classes, 489 apartment houses and approximately 15,000 homes.

Among municipal projects under way, which were authorized in 1925, the city's new municipal pier and recreation



HOTEL ROYAT, OF DISTINCTIVE ARCHITECTURE, LOCATED IN THE HEART OF THE PASADENA GOLF COURSE.



VESSELS IN PORT OF ST. PETERSBURG.

After spending \$500,000 dredging a 19-foot channel, a 21-foot turning basin and building one wharf, the city has decided to dredge to 27 feet and build more wharves and warehouses.

center probably leads in interest. A bond issue of \$1,000,000 for this construction was approved last spring. The Raymond Concrete Pile Co., New York, builder of the concrete structure of the city's new commercial harbor, is the contractor for the pier, and Parsons, Klapp, Brinckerhoff & Douglas, also of New York, engineers. The pier juts into Tampa Bay at the foot of Second avenue north; it will be 100 feet wide and approximately 1500 feet long, with a two-story Spanish-type recreation center, balconies for fishermen and a trolley terminal for municipal railways. There will also be ample automobile parking space on the pier.

The entire Tampa Bay waterfront of the city is being reconstructed, with two new yacht basins and new parkways and recreation grounds. This fill will establish a per-

carrying out the true Spanish motif, it has attracted the attention of nationally known architects. Kiehn & Elliott, Miami, are the architects, while Paul Reed of the Elliott organization supervised construction. The George A. Fuller Co., New York and St. Petersburg, was the contractor. Another distinctive project completed is the new Jungle Country Club Hotel, a combination hotel and golf club, on the Jungle Country Club golf course, near Boca Ciega Bay. Ritchie, Parsons, Taylor, & Wakeling of Boston are the architects and the George A. Fuller Co. the contractor. The new 10-story office building being constructed for the West Coast Title Co. by the Franklin J. Mason Co., St. Petersburg, is nearing completion. Francis J. Kennard & Son of Tampa are the architects. The Franklin J. Mason Co. is



NORTH SIDE RESIDENTIAL AND HOTEL SECTION, SHOWING THE PRINCESS MARTHA AND SUWANEE HOTELS.

manent bulkhead line for the eastern boundary of the city, which owns 6 miles of its 33 miles of waterfront.

Private projects under construction or completed include the new Vinoy Park Hotel, \$3,500,000 project on Tampa Bay, which was begun last March and completed January 1. Henry L. Taylor of St. Petersburg was the architect and G. A. Miller of Tampa the contractor. The new Royal Hotel, in the western section of the city, is one of the most distinctive hotel structures in the state. Low and rambling,

also building the new 7-story Pennsylvania Hotel for H. C. Case and the city's new \$1,000,000 high school.

Projected activities for 1926 include two 15-story office buildings, one to be started in April by the Ninth Street Bank & Trust Co. and the other a title building. In June a \$1,000,000 theater, owned by St. Petersburg Enterprises and the Public Theaters organization, will be opened. This is a combined office building and theater and is being constructed by the George A. Fuller Co. R. E. Hall & Co.,

New York, are the architects and engineers. An 8-story power and light building, erected by Victor Boeke of St. Petersburg, is one of the city's newer office structures. A 4-story addition is being completed by the G. A. Miller Co. for the First National Bank, making this structure eight stories. A new Y. M. C. A. building to cost \$350,000 is under construction, and numerous recreation centers and arcades have been completed during the year, among them the Taylor and Pennflora, built by the George A. Fuller Co.

Plans have been announced by the St. Petersburg Times for a 20-story building to be erected in units. The first unit of eight stories, 100 by 80 feet, is nearing completion and is expected to be ready for occupancy by the first of June. The first floor will be devoted to the stereotype department, press rooms and paper storage, while the second floor will be devoted exclusively to the composing room. Editorial rooms and the engraving department will occupy the third floor, as will the art department and a number of offices connected



NEW BUILDING FOR ST. PETERSBURG TIMES.

with the editorial department. The fourth floor will be occupied by the classified and advertising departments and offices for the proprietors of the paper. Remaining floors will be devoted to general offices for the present. A 20-story tower and another eight-story wing are expected to be completed by the fall of 1929.

One of the biggest factors, it is believed, in the city's future growth will be the improved deep-water harbor, for which a bond issue of approximately \$1,500,000 has been voted. Funds from this issue will be used to deepen the harbor and turning basin from 19 feet to 27 feet at mean low tide, for new wharves and warehouses and for better physical connections at the port. The opening of the present harbor a few months back is one of the outstanding achievements of the year in municipal progress. Following refusal of the United States Board of Engineers to give Federal aid to this project, the city expended \$500,000 for dredging and harbor building, and when the rail embargo descended the port was ready for commerce. Six months ago the city had no harbor; today the port of St. Petersburg has accommodated as many as nine ocean-going vessels at one time. Enlargement and improvement of the harbor will, it is thought, give even greater relief to the city from the

restrictions of rail embargoes and the lack of adequate physical accommodations of the railroads.

With the gradual influx of industries suitable to a city where high-grade labor is available; with increased atten-



CARGO SHIPS IN ST. PETERSBURG PORT.

Six months ago a ship with 10-foot draft had difficulty in getting into port. Now as many as nine ocean vessels dock at one time.

tion to the city's own physical properties and improvements now needed in municipal facilities, and with an outstanding program of building to add to the present resort facilities, St. Petersburg looks forward to another year of progress in 1926. Men like George F. Baker of New York, who have visited here this winter, have predicted a splendid future for the Sunshine City, and there is every confidence that "conservative sanity" will bring about the city of the future pictured in the minds of so many who have planted their faith in St. Petersburg.

#### Power Company Links Oklahoma Cities.

Oklahoma City, Okla.—Following the recent acquisition of the Southwestern Light & Power Co. of this city by the Middle West Utilities Co., owned by the Insull interests of Chicago, it is announced that the Southwestern Company and the Chickasha Gas & Electric Co. will be linked by the parent company between Apache and Richards Spur, near Lawton. This extension, it is said, will complete the connection of an electric system reaching from northeastern Texas across Oklahoma to Arkansas. Lines of the Insull interests, owners of the Middle West Utilities Co., extend from points in Texas to El Reno, Okla., where they connect with lines of the Oklahoma Gas & Electric Co. of this city.

It is understood that the Insull interests have begun negotiations for the purchase of the Western Oklahoma Gas & Fuel Co. in Marlow and Duncan, Okla. Earl R. Ernsberger is president and general manager of the Southwestern Light & Power Co.

#### Will Increase Capital Stock to \$1,000,000.

At a meeting of stockholders of the Century Trust Co., Baltimore, plans formulated by the Board of Directors for increasing the capital stock of the company from \$500,000 to \$1,000,000 were approved, with approximately 84 per cent of the stockholders voting. As previously outlined in the MANUFACTURERS RECORD, one half of the new stock will be issued on April 6 and the remainder on July 6, the stock increase giving the company a surplus of \$1,600,000, beside undivided profits. Douglas Thomas, president, states that 90 per cent of the additional stock has already been subscribed by present stockholders.

## Construction Progress on Lake Lure Development—\$750,000 Dam and Other Projects Under Way.

Good progress has been made on the major projects of the big Lake Lure development at Chimney Rock, N. C., undertaken by Chimney Rock Mountains, Inc., of which Dr. Lucius B. Moore is president. These projects, as already outlined in the MANUFACTURERS RECORD, consist of the proposed Lake Lure dam, road and bridge construction, resort hotel, golf courses and other facilities.

A report of the engineer at the close of 1925 indicated that much had been accomplished in a preliminary way on the proposed \$750,000 dam, a camp having been erected and a construction plant nearly complete. Other work had also been done at that time and considerable progress has been made since. According to an estimate of P. L. Holland, resident engineer for Mees & Mees, Charlotte engineers, who are supervising construction, the entire work will be completed in

tract for all these structures and is handling the work through its Charlotte branch.

Grading on state highway No. 20 for a distance of 5.75 miles along the shores of Lake Lure is reported 60 per cent complete. This road will be paved with concrete, 18 feet wide, contract for which is expected to be awarded during March. It is proposed to pave the entire distance to Rutherfordton this year, a stretch of 23 miles.

Construction has recently started in the first three-story hotel in the development area, the work being undertaken by the Isothermal Hotel Co., which plans to expend \$200,000 to erect a 100-room structure. It is located in Lake Lure townsite, where the first residential subdivision is expected to be opened soon. Ornamental entrances at both east and west gates in the development will be completed this year, as well as an ornamental square in the civic center. Two



LAKE LURE DAM UNDER CONSTRUCTION—COMPLETION SCHEDULED FOR NOVEMBER, 1926.

November or December of this year. Two power units are being installed, one of 1750 kilowatts capacity and another of 3500 kilowatts capacity, with the expectation that a third unit will be added later. The dam will be 135 feet high and 585 feet over all, the top of the structure to provide a boulevard for motor traffic. It is estimated that 40,000 yards of concrete will be required for the project, with a 1-6-12 mixture on the gravity dam, 1-3-6 mixture on the piers and a 1-2-4 mixture on the arches. An economical feature of construction is the proximity of high-grade sand and rock for use in concrete mixing. The total power output is estimated at 13,500,000 kilowatt-hours annually, all of which has been sold in advance to the Blue Ridge Power Co. of Spartanburg, S. C., for a 10-year period.

Three concrete bridges on state highway No. 20 are reported 50 per cent complete by Charles H. Moore, engineer in charge of construction for Chimney Rock Mountains, Inc. A bridge spanning Rocky Broad River will consist of three 50-foot spans, with open spindle balustrades, bush-hammered ornamental panels on the sides and eight ornamental white-way lights. Similar lights will be used also on the Cane Creek and Pool Creek bridges, the former to be 110 feet long and the latter 32 feet. The Luten Bridge Co. of York Pa., has con-

large buildings of the arcade type, to contain a number of stores, are also planned for erection.

The first of five golf courses has been started and will be completed within a few months. It was designed by Stiles & Van Kleet of Boston, Mass., and is being built by Jamison Brothers, Inc., of High Point, N. C., working under the supervision of D. O. Fish, personal representative of E. S. Draper of Charlotte, landscape architect.

### Plan Another Bridge Over Old Tampa Bay.

In a letter to the MANUFACTURERS RECORD, George S. Gandy of the Gandy Bridge Co., St. Petersburg, Fla., advises that a duplication of the present Gandy bridge over Old Tampa Bay will be made as soon as traffic warrants construction. Additional submerged lands have been purchased from the state and it is Mr. Gandy's purpose to develop the property by building a concrete wall around the fills, seven feet above water, and making it ready for a high-class residential proposition. He estimates that by the time this work is completed it will be time to duplicate the bridge. The Raymond Concrete Pile Co. of New York will supply piling for work to be done at this time.

# Agricultural Problem an Economic Problem.

NATIONAL INDUSTRIAL CONFERENCE BOARD IN ITS COMPREHENSIVE REPORT CALLS FOR SYMPATHETIC STUDY OF WHOLE FARM SITUATION BY LEADERS IN INDUSTRY, COMMERCE, FINANCE AND TRANSPORTATION.

A warning for the United States not to neglect its agricultural development in too intensive preoccupation with other industrial, commercial and financial interests is sounded by the National Industrial Conference Board, New York, in its report on the agricultural problem, just completed.

In the opinion of this Board, whose membership consists principally of chief executives in the manufacturing field, a broader view must be taken of the danger that lurks in an unbalanced economic development. American industrialists, the Board urges, must consider the agricultural problem from the broad viewpoint of national economy in order to avert serious consequences to our whole economic structure.

It is recalled that it is now England's fate to regret the mistake of too intensive an industrial development, achieved at the cost of having her agriculture lag behind so that for a long time the country has not been self-sufficient as regards food and other farm products, and that the difficulties arising out of her agricultural problem today constitute one of the gravest issues confronting the British Government. The shrinkage of our agricultural "plant" in proportion to our population growth, the dwindling of agricultural wealth and income since 1900, the report declares, are real symptoms of a relative decline in American agriculture which challenge the attention of all classes, including that of the urban manufacturing and commercial population, for reasons of self-interest if no other.

Other nations, principally European countries, have since the war taken cognizance of the necessity of an agricultural development that well balances the requirements of their population growth. A number of countries suffering from post-war depression have been making special efforts to increase their agricultural production and to diminish their dependence on outside sources. As a result wheat production in Australia has increased 110 per cent from 1919 to 1925; in Canada, during the same period, 100 per cent; in France, 75 per cent; in Italy, 42 per cent; in Argentina, 25 per cent, and in India, 15 per cent. All of this represents increased competition for the American farmer in both domestic and foreign markets, according to the report, and further aggravates his problem of meeting foreign competition based on lower production costs than his own.

Despite these efforts on the part of some countries, there is indication that the total world production of agriculture also is not keeping step with the increase in population, but is actually declining. Figures on agricultural world production show an actual net decrease in most important farm products between 1913 and 1924, with the exception of potatoes, wool and tobacco. While the total of wheat produced in 1913 was 4,087,000,000 bushels, total world production in 1924 was only 3,298,830,000 bushels. Corn production likewise dropped from 3,743,000,000 bushels in 1913 to 3,366,000,000 bushels, oats from 4,798,500,000 to 3,519,000,000 bushels, rye from 1,893,000,000 to 1,174,148,000 bushels, and barley from 1,779,000,000 to 1,214,911,000 bushels. Cotton production decreased from 26,259,000 bales to 24,700,000 bales. The number of swine declined from 2,881,000,000 in 1913 to 2,837,000,000 in 1924.

This situation of reduced agricultural production the world over indicates a world agricultural problem similar to that which exists in the United States, and is an added reason

why prompt attention should be given to the national problem, the Board feels. Neglect of the farmer's difficulties of high cost production, with low prices in the markets where he must sell ultimately, it is intimated, may lead to a reversal of the problem. It might result in conditions where the non-farming industrial groups, constituting the urban population, would face the dilemma of having to produce at rising costs, caused by the rising prices of scarcer food, and, on the other hand, of having to sell their manufactured goods at low prices in ever sharpening competition with the world.

Solution of the agricultural problem through joint and sympathetic study of the situation by leading representatives of industry, commerce, transportation and finance, in conjunction with leading agriculturists, to facilitate the formulation of "a sound, effective and well digested program" for righting the existing economic maladjustment, is the immediate proposal made by the Board. It does not presume to undertake to solve the farmer's problem for him, nor to suggest specifically how he may solve it for himself, declaring such course to be "neither desirable nor feasible." The whole weight of the Conference Board's proposal lies in urging, first, the economic nature of the problem, and second, in emphasizing that the agricultural problem, because of the close interdependence of agriculture and our whole industrial and commercial business structure, is not the farmer's problem alone, but a common problem concerning all classes of the population.

The Board, at this time, does not go beyond the proposal of a co-operative, joint study of the economic aspects of the agricultural situation and its effects on the rest of our business structure and general national welfare. But it places its comprehensive agricultural report, on which the Board's research staff has been engaged for nearly a year, at the disposal of those who may be chosen by the various agricultural, industrial, commercial, transportation and financial groups of the country to make such study.

The agricultural problem, according to the diagnosis of the Board's report, briefly summarized, is that since the beginning of the rapid and intensive development of our industrial, commercial and financial life toward the end of the last century agriculture has fallen out of step, and there has evolved a progressive maladjustment and inequality between the economic position of agriculture and that of the other major branches of our national economy. The real underlying practical problem, it is intimated, is one of much larger and more significant scope even than of the existing maladjustment. It is the problem, in the view of the report, and in the light of the Board's suggestion for a joint investigation of the farm problem by representatives of all economic interests, of formulating sound economic policies for the future co-ordinating of all branches of production and business on the basis of scientific analysis and in the light of collective experience.

The following is the text of the Conference Board's closing statement of the report containing its suggestion for a rational solution of the agricultural problem:

"The study of the agricultural problem by the National Industrial Conference Board indicates clearly that since the beginning of the rapid and intensive development of our industrial, commercial and financial life toward the end of the last century there has been developing a progressive maladjustment and inequality between the economic position of agriculture and that of the other major branches of our national economy.

"This is reflected in the contraction of our agricultural

plant and its output relative to the growth of our population; in the growing effectiveness of the competition of foreign producers, both in our domestic and in foreign markets; in the increasing costs of agricultural production compared with the price of farm products; in the declining relative share in the national income of those engaged in agriculture; in the wide disparity between return on investment and reward for labor in agriculture as contrasted with that in other productive activities, and in the marked difference between the per capita income of the farm population and of the remainder of the population in all the dominant agricultural sections of the country.

"Fundamentally, these conditions have arisen partly out of inherent differences between the productive processes of agriculture and those of industry, and partly out of circumstantial factors affecting the interrelationships between agriculture and the rest of our economic life. They not only constitute a serious menace to the progress and prosperity of American industry, commerce and trade, but are equally of great significance for our national welfare, for they deeply affect the future economic development, the social advancement, the political unity and the national security of the United States. This situation presents a far-reaching question of national policy and, therefore, demands clear and full understanding, careful and open-minded consideration and earnest effort toward readjustment on the part of all major economic groups in our country.

"From this point of view, it would seem proper and desirable in the national interest for leading representatives of American industry, commerce, transportation and finance, in conjunction with leaders of agriculture, to study jointly and sympathetically, on the basis of the Board's comprehensive report, the agricultural situation and its causes, to appraise its consequences and to present for the consideration of the public their mature judgment of the possibilities and desirable avenues of remedy and readjustment. In this way it is possible that, apart from the disturbing and transient influence of partisan politics, there may be provided a constructive and practical plan for mutual understanding and full co-operation between agriculture and all other groups in our productive life, as well as a basis upon which may be developed a sound and farsighted national policy embracing and justly balancing all the interests involved.

"The agricultural problem is essentially an economic problem; its solution should be sought through the co-operation of all economic interests along sound economic lines. It is not desirable or feasible for others to undertake to solve the farmer's problem for him or to suggest how he may solve it for himself. The responsibility for the agricultural situation and its correction rests upon all groups in common. Outstanding business leaders in the major economic activities of our national life, selected by their respective national organizations or otherwise, may well address themselves to the important task of co-operating in the effort toward agricultural readjustment to the end that the country may be assured of a prosperous agriculture as a part of a prosperous national economy."

### Securing New Enterprises Through Publicity.

The Journal of Jacksonville, Fla., gives an interesting account of the success of an individual company, Telfair, Stockton & Co., realtors and first mortgage bankers, in an advertising campaign to draw industrial enterprises to that city. The Journal says that they are recognized leaders in the handling of industrial property, and then gives a long list of the industrial concerns for which sites have been secured in Jacksonville.

There is no more important work to which strong banking and real estate firms can devote their attention than that of securing industrial plants and finding for them suitable locations at reasonable prices. Many a new enterprise could be brought into communities throughout the South if they could be assured of securing good locations at a small cost. Indeed, in many communities a site might very advantageously be donated to new enterprises, but no community which puts a prohibitive price on industrial sites needs to hope for success in securing them.

According to the Jacksonville Journal, the Telfair-Stockton Co., in its wide publicity campaign through the MANUFACTURERS RECORD and other papers, has been able to do great work for that city by finding locations for many enterprises.

### Permits and Applications for Power Projects in the Southern States.

Washington, D. C.—Preliminary permits have been issued by the Federal Power Commission for a number of Southern power projects, and applications have been filed with the commission looking to other developments. A permit for two years has been issued to the Roanoke-Staunton River Power Co. of Roanoke for a proposed development on the Roanoke River, extending from the mouth of Goose Creek to a point about six miles below Roanoke in Roanoke, Bedford, Campbell, Franklin and Pittsylvania counties, Virginia. The power capacity of the site is between 15,000 and 50,000 horsepower, depending upon the plan of development adopted.

The commission has issued a permit for one year to the Roanoke River Power Co. of Richmond, Va., for a proposed development which will involve the construction of a dam and power-house in the Roanoke River at Buggs Island, near Clarksville, Mecklenburg county, Va. The proposed dam will be about 53 feet high, the power-house to form part of the structure. Power capacity is estimated at 9500 horsepower and the probable installed capacity at 50,000 horsepower.

A permit for two years has been granted the West Florida Power Co., Tallahassee, for a power project on the Ocklocknee River in Gadsden and Leon counties, Florida. It is proposed to build a dam 53 feet high with power-house and appurtenances. Power output is estimated at approximately 13,000,000 kilowatt-hours per year, and there will be available suitable steam-plant auxiliary.

J. J. Williams and associates of Cordele, Ga., were given a preliminary permit for three years for a project on the Flint River in Worth, Lee, Crisp and Sumter counties, Georgia, to involve the construction of a dam near Warwick, creating a head of approximately 30 feet, a power-house integral with the dam and appurtenant works. Power capacity is estimated at 3660 horsepower and the probable installed capacity at 14,000 horsepower. These applicants are a committee appointed by the Crisp County Board of Trade to secure a permit for the county pending the voting of a bond issue in November to finance the development. Should the proposed bond issue not be approved, the applicants plan to organize a company to handle the project.

Application has been made by the town of Highlands, N. C., for a project in Cullasagee River, Nantahala National Forest, Macon county, to consist of a small concrete-arch dam, pipe line and surge tank, power-house and transmission line. Power proposed to be developed, amounting to approximately 200 horsepower, will be used for street lighting and public purposes.

The Broad River Power Co., Columbia, S. C., has applied for a preliminary permit for a project in the Saluda River, Lexington county, South Carolina, to consist of a 120-foot concrete and masonry dam, which will back water upstream approximately 17 miles. Power proposed to be developed will reach a total of 24,000 horsepower primary and 48,000 horsepower installed.

### Contract for \$1,000,000 Church.

West Palm Beach, Fla.—General contract has been awarded by the Protestant Episcopal Church here to Hegeman & Harris Co., Inc., of New York, Memphis and Miami for the erection of the proposed Bethesda-by-the-Sea memorial church to cost approximately \$1,000,000. The structure will be of the Spanish-Gothic type, foundations having already been constructed. Hiss & Weekes of New York are the architects and Robert Dunn Douglass is chairman of the building committee. Canon J. Townsend Russell is rector of the church.

## Dairying and Kindred Activities Undergoing Development in the South.

From all parts of the South are coming many unusually interesting and important letters in regard to the elaborate descriptive article in our issue of February 25, entitled "Making the South the Nation's Dairy Center." Southern newspapers have also realized the importance of the facts given in that interesting story and are freely publishing many of the facts presented in order to stimulate a larger development of the dairy industry throughout the South.

Robert Adamson, for instance, chairman of the National American Bank of New York, in a letter to the MANUFACTURERS RECORD refers to the Southern Dairies article as exceedingly interesting, and adds:

"It was an eye-opener to me, and I feel that the development of this industry represents one of the finest possibilities in the South. I am constantly impressed with the growing evidence that the interests of the whole country center on the South. I feel sure that the next 25 years of commercial and industrial development will belong to the South. We have on the board of our bank Edward B. Lewis, who is president of the Horton Ice Cream Company, one of the biggest concerns of its kind in the country. I am sending the copy of the MANUFACTURERS RECORD along to him, as I thought it might interest him."

President Oscar Dowling of the Department of Health, state of Louisiana, writing in regard to that article and to another one referring to cane syrup, said:

"Your article, 'To Make the South the Nation's Dairy Center,' and that about syrup, 'An Interesting Southern Industry—the Production of Cane Syrup,' has been read and reread.

"Last summer I went to Tillamook, Tillamook county, and other points in Oregon and the West studying the dairy interest and cheese-making. I have about completed my initial copy of a charter to be known as the Central Creamery Company, with headquarters in New Orleans.

"This relates to my personal wish, while the study was made for the State Board of Health.

"I am venturing to ask what would be your price on 2000 copies (reprints) of the two articles above mentioned as published in your issue of the 25th ultimo."

Jewell Mayes, secretary State Board of Agriculture of Missouri, wiring from Jefferson City, said:

"To Make the South the Nation's Dairying Center" is a nice piece of publicity and educational information upon a question which I believe is fundamentally sound and correct."

President Herman A. Dann of the Florida State Chamber of Commerce, Jacksonville, writing on March 5, said:

"I was particularly interested in the thirteen-page advertisement of Southern Dairies, and am referring to this article in my report which I make before the directors of the Florida State Chamber of Commerce at Gainesville on March 6."

E. D. Philbrick, secretary of the Chamber of Commerce of Hattiesburg, Miss., forwards to this paper a copy of a letter which he sent to J. B. Eckhart of the Southern Dairies, Inc., which is so interesting as bearing on the possibilities of dairying in the South that we give it in full. The letter follows:

"The MANUFACTURERS RECORD, under date of February 25, published a very interesting article about the broad policy and aims and ambitions of the Southern Dairies, and I want to take this opportunity of expressing my appreciation and to congratulate the Southern Dairies on their entire program.

"There is no question as to the soundness of your program. The South should be the largest dairying section of this country, and within five years I think we will see the supremacy of Wisconsin challenged by the state of Mississippi in the production of dairy products.

"The agricultural development of this state has been retarded by selfish interest and by lack of vision on the part of its people. A new era has arrived and much constructive thought is being given to the development of the dairy-

industry, as evidenced by the passing of the state-wide stock law, which bill became a law last week when Governor Whitfield attached his signature.

"The Texas cattle tick has been the only handicap in the development of this industry in the past, and with the eradication, which will be possible with a state-wide stock law, dairying should progress very rapidly.

"A country blessed with a climate which allows for open grazing twelve months of the year certainly has a great advantage over some of our Northern states, where cattle have to be protected from the weather and large stores of forage raised and provided to feed them during this period. South Mississippi, in particular, offers wonderful possibilities for the dairying industry. With 300 growing days, we are able to produce corn and forage of all kinds on land that is very low in price.

"That we have not produced our share of forage crops is no criterion. There are many demonstrations in this vicinity which show what can be done with proper agricultural methods. Last year one of our boys in a corn club raised 77 bushels of corn on one acre of land in Forrest county, although the average for the state is only about 15 bushels. The quality of our cattle at the present time is low, but with the importation of blooded stock, which is inevitable with the elimination of the cattle tick, we will soon have as high-grade stock as any state in the Union. Our railroads are assisting materially in this development program. The Illinois Central Railroad is bringing in high-grade bulls in order to raise the quality of our stock.

"What this country needs is more intelligent farming and more energetic farmers, and they are rapidly coming into this section from Minnesota, Wisconsin, Illinois and Iowa and settling on our lands because of the natural advantages which we possess.

"In closing, I want to again congratulate the Southern Dairies on their entire program and to repeat the prediction that within five years south Mississippi will be one of the liveliest dairying sections of the country."

Craddock Goins, associate editor of the Olsen Publishing Company of Milwaukee, sends to us copy of a letter, giving in detail some striking facts in regard to the shipment of milk from Wisconsin to Miami, all of which in one way bears directly on the importance of dairy development throughout the South as illustrated in the story of the Southern Dairies, Inc. The letter from J. W. Staples, manager of the Refrigerated Milk Tank Car Department of the General American Car Company, to the Olsen Publishing Company follows:

"Acknowledging receipt of your kind letter of March 3, with reference to the movement of milk car from Marshfield, Wis., to Miami, Florida:

"The car used in this shipment was designed, patented and built by the General American Car Company. The writer personally supervised the shipment of milk from Marshfield to Miami. The milk was shipped from the Ripon Produce Company plant at Marshfield to the Houghtaling Farms Dairy Company at Miami, Fla.

"The car was loaded Tuesday, February 16, at Marshfield with about 40,000 pounds of 4 per cent T. B. tested milk. The milk was cooled to 35°. The car was locked and sealed at 1 P. M. Tuesday and sent on its way. The writer accompanied the car to Miami. The car was routed Soo Line to Chicago, Pennsylvania to Cincinnati, Southern Railway to Jacksonville, and Atlantic Coast Line by express to Miami.

"The car arrived at Miami Saturday, February 20, at 3 A. M., but was not spotted at the Houghtaling plant until 6 P. M. Saturday. When I unlocked the car the thermometer was correct. I tested same with my test thermometer and found the temperature to be correct, a loss of 1° in temperature, milk being in the car 101 hours. The milk was unloaded into storage tanks in the Houghtaling plant at Miami and was held until Monday, February 22, when it was processed and delivered to the trade the following day.

"The remarkable feat of this whole thing is that the milk when received at Miami was in perfect condition. The writer purposely filled one tank in the car half full of milk to see whether there would be any reaction of the milk, and was

dumfounded when the tank was opened to find that it was perfect.

"I also loaded 40 cans of 40 per cent cream in the car to see what would develop, and the cream was perfect when it arrived, and Mr. Houghtaling of the Houghtaling Farms Dairy mentioned that he had never before received a shipment of milk or cream that had its equal.

"There was also a cake of ice put in the car to see what would happen during transportation, and the writer could not notice any change in the cake of ice when it arrived, as it did not melt to amount to anything, which proves that our car is insulated properly for long hauls.

"I am working on pictures and editorials for this movement, and as soon as they are completed will be glad to furnish them to you should you care to publish them.

"Mr. Houghtaling of the Houghtaling Farms Dairy at Miami stated in the presence of the writer that hereafter all of his milk would be handled in milk tank cars. Just as soon as cars can be completed a tank car load of milk will be shipped from Ripon Produce Company plant at Marshfield to Miami, Florida."

Expressing his appreciation of the importance of dairying throughout the South and his personal interest in the subject, Gov. A. W. McLean of North Carolina writes:

"I was very much interested in the article about the possibilities of the milk and dairy industry in the South. I have been stressing the importance of the dairying industry in North Carolina ever since I became Governor. I should be very glad if you would advise me what it would cost to produce a few hundred copies of the galley proof of the article entitled 'To Make the South the Nation's Dairy Center.'"

C. W. Holdaway, professor of dairy husbandry, Virginia Polytechnic Institute, Blacksburg, writing about the article "Making the South the Nation's Dairy Center," says:

"We realize that the article deals largely with the operations of one company, and I feel that this company is going to have a tremendous influence on the development of dairying and the South generally, and that they should have credit for this. The information as compiled in the article will unquestionably be of much value, since we understand from your letter that the facts presented were compiled very carefully and should be as near correct as possible."

From the City Manager of Norfolk, Va., I. Walker Truxton, we have the following:

"I certainly believe there is no better dairying territory than that obtained in Tidewater Virginia, and that the farmers are gradually realizing that this industry, properly conducted, is very remunerative is evidenced by the large increase in the number of dairies in this vicinity in the past few years. The article, furthermore, sets forth the subject in a comprehensive and concise way."

John C. Sanford, president, North Carolina Guernsey Breeders Association, Raleigh, says:

"I noticed in a recent issue of your publication a long article regarding the Southern Dairies of Washington, D. C., and I would like to inquire if it would be possible for me to get 200 copies of this to mail to the 200 Guernsey breeders in North Carolina.

"I believe that this was an advertisement, in which case I presume the Southern Dairies would be glad to furnish me with these copies."

Discussing the subject broadly, and with particular reference to his own state of Tennessee, C. Frank Baxter of the Golding Sons Company, Erwin, Tenn., writes:

"Being a resident of the South, a Tennessean, and realizing the great truths as set forth in your most interesting, instructive and descriptive advertisement of the splendid growth and development in your industry as described and illustrated so very clearly in the February 25 number of the MANUFACTURERS RECORD, I feel it my duty as a Southerner to write you in appreciation of your efforts in the past, and your promised efforts and aid for the future, in getting the people of the South to awaken to the many opportunities offered them here in our own Southern states.

"It has been a well-known fact for a long time that ever since the Civil War the South has been very backward in many unnecessary respects, causing many of our best and most promising young men to immigrate to other sections of our country who were progressing and who were taking

advantage of their opportunities for development and growth.

"It would now appear, however, that the long and untiring efforts of the MANUFACTURERS RECORD in getting the people down here familiar with their resources are to a great extent beginning to bear fruit, and it is very encouraging indeed to see such a strong industry as the Southern Dairies taking a hand in the upbuilding of the South, and especially in a line that is so essential and a forerunner of success in every community. I assure you that your efforts are not only appreciated, but are being felt in an educational manner, as well as profitable, not only in the Eastern part of the state of Tennessee, but in many sections of the South in which I have observed from time to time.

"As a Southerner, I therefore not only feel it my duty but a pleasure as well to commend you and to express our appreciation to the fullest extent for the great work you have done in the past and are promising to do in the future on our behalf, and to wish you the very best of success in your splendid undertaking, which I feel sure is being heartily endorsed throughout the entire section."

H. J. Griffin, sales manager of the Spencer Construction Company, Baltimore, Md., familiar with conditions in the South from having often traveled through that section, and familiar with conditions in Wisconsin because a native of that state, has the following illuminating comment:

"The writer read with interest the article in the MANUFACTURERS RECORD of February 25, and can only commend you on the interest you have taken in endeavoring to promote the farming and dairy interests in the South. We have traveled the South continually for a number of years, and on account of the writer coming from Wisconsin, which ranks high in the dairy and cheese business, he often wondered why the South did not go into this business more extensively, as they have all of the materials, in addition to 50 per cent more climate, which is so essential.

"We are sure your article will be taken up by some of the leading business men of the South, and the seed you have sown should bear fruit.

"Our company does considerable business in the South, specializing on moving form silo work for the cement storage for the cement mills and silos for grain elevators. We have built a number of concrete elevators in Virginia, North Carolina, Tennessee and Georgia, and while at the beginning it was difficult to interest flour-milling companies to build these elevators of concrete, they do not now consider anything but fireproof structures.

"The writer was wondering if your H. J. Adair was not at one time a captain in the Ordnance Department at Philadelphia, where the writer was located shortly after the Armistice was signed."

### More Chickens and Eggs.

An increase of 4.7 per cent in the number of hens and pullets of laying age on farms January 1 this year over January 1, 1925, and a production of chickens on farms last year 4.2 per cent greater than in 1924 are estimated by the Department of Agriculture. The total value of the chickens produced on farms last year was about 12 per cent greater than in 1924, and the average chicken produced was worth 7 per cent more.

The largest increase in the production of chickens last year was 14 per cent in the East North-Central states, followed by increases of 13 per cent in the North Atlantic division, 12 per cent in the Pacific Coast states and 7 per cent in the West North-Central division. Decreases of 4 per cent are reported for the South-Central states and 7 per cent in the South Atlantic.

Total production of eggs in 1925 was slightly larger than in 1924, receipts at the five principal markets being about 15,500,000 cases, or about 1 per cent more than in 1924. The farm price of eggs in 1925 averaged 30½ cents a dozen, compared with 26.4 cents in 1924 and 27 cents in 1923. The total value of the 1925 farm egg crop increased about 17 per cent over that of 1924.

Incomplete returns from large commercial poultry plants indicate increases during the past year greater than shown for farm flocks.

## Union Mines Produced Less Than 5 Per Cent of West Virginia Coal in 1925.

Charleston, W. Va., March 13—[Special.]—Although a few years ago the bulk of the coal originating in West Virginia was produced at "closed-shop" mines, yet, according to statistics just compiled by the Kanawha Coal Operators Association, in the year 1925 the percentage of union tonnage to total state production was only 4.66 per cent.; in other words, of a total of 125,434,130 tons of coal produced in West Virginia only 5,849,862 tons came from union mines. The percentage of union tonnage was reduced from 14.8 per cent in 1924 to the percentage stated in the course of a year, or from 14,449,505 to 5,849,862 tons, a decrease of 8,599,643 tons. The decrease in percentage as between 1924 and 1925 was 59.51 per cent.

In 1924 in northern West Virginia the union controlled half the production, or 13,290,408 tons, but as a result of the refusal of the union leaders to agree to a scale which would permit operations, the percentage of union tonnage was reduced from 51 per cent in 1924 to 18.98 per cent in 1925, when many mine owners found it necessary to operate independent of the union or else keep their mines closed down. Consequently, union production was reduced to 5,826,950 tons, which represented only about one-fifth of the total in the northern part of the state as compared with one-half the year before. In southern West Virginia last year union production amounted to only 22,912 tons, or .02 of 1 per cent of the total.

A final tabulation discloses that West Virginia mines produced a total of 125,434,130 tons of coal in 1925, with 87,642,551 tons originating in the southern part of the state and the remainder in northern West Virginia. In other words, West Virginia assumed a place of additional importance as a coal-producing state.

There were increases in production in all sections except the northern Panhandle. For instance, the Norfolk & Western handled 6,384,105 tons more in 1925 than in 1924, and the Chesapeake & Ohio 6,853,000 tons more in 1925 than in 1924. The decrease in the northern Panhandle, however, amounted to 751,267.

Owing to the fact that there is not so strong a demand in Eastern markets at the present time since the settlement of the anthracite strike, there has been a material curtailment of output among both high and low volatile mines, and such reduction is having a tendency to stabilize prices. High-volatile prepared coal of the larger size brings around \$2.50 to \$2.75 a ton, with mine run a little firmer, ranging as it does from \$1.40 to \$1.75. Screenings are also much firmer, due to a more restricted output of the prepared grades, the general range on the fine coal being from 90 cents to \$1.10 a ton.

The smokeless lump and egg now ranges from \$3.50 to \$4 a ton, with most of such coal marketed in the West. Mine run at the mines commands around \$2.25 and the slack ranges from \$1.25 to \$1.50 a ton.

## Will Start Construction at Once on \$3,000,000 Portland Cement Plant at Ocala.

Marion County Chamber of Commerce.

Ocala, Fla., March 8.

### Editor Manufacturers Record:

The Lehigh Portland Cement Co. has announced that it will begin immediate construction of its \$3,000,000 plant four miles north of Ocala. The company's industrial engineer, F. C. Fisk, will direct construction.

The main group of buildings will cover an area of approximately 18 acres, with tracks, pits, cooling ponds, and other facilities covering an area of 40 acres. The plant will be connected with large clay deposits near Burbank by an

extension of the Seaboard Air Line Railway. It will include a silo storage with a capacity of 200,000 barrels, grinding machinery, boilers, buildings, conveyors, miniature railways and elevators, in addition to adjacent lime mines and cooling ponds.

In connection with the mills it is stated that machine shops, blacksmith shops, carpenter and electric shops and other buildings will be erected. Storerooms to carry a stock of \$150,000 of mill supplies and accessories will also be included. From 900 to 1000 men will be employed for construction of the plant, and a crew of 300 to 400 will be maintained for its regular operation. Construction is expected to be completed within 12 to 15 months. All buildings will be fireproof, of concrete and steel, the plant to be practically dustless in its operation.

The entire group of Lehigh plants in the country, consisting of 22 manufacturing units, consumes probably 1,500,000 tons of coal annually, with a production of 23,000,000 barrels of cement per annum. The main offices of the Lehigh Company are at Allentown, Pa.

HORACE L. SMITH, Secretary.

## Heavy Automobile Travel to Florida in February.

During the month of February 5719 tourist automobiles, carrying 22,676 passengers, passed southbound over the Jacksonville-St. Johns River bridge at Jacksonville. This gives a total of 15,991 tourist cars and 62,607 passengers for the first two months of this year entering Florida by automobiles at this one point in the state. Georgia led in the number of cars and passengers in February, followed by New York, South Carolina, Illinois, New Jersey and Ohio. No doubt there is some duplication of these cars, such as those of salesmen and visitors from nearby states, who pass through two or three times during the month. Nevertheless, they show the continued heavy travel into Florida during the middle of the winter season.

### RECORD OF SOUTHBOUND TOURIST CARS AND PASSENGERS OVER JACKSONVILLE-ST. JOHNS RIVER BRIDGE IN FEBRUARY, 1926.

From—	Cars	Passengers
Alabama	226	908
Arizona	15	60
Arkansas	19	76
California	95	380
Colorado	16	64
Connecticut	77	310
Delaware	31	123
Georgia	501	2,007
Illinois	343	1,374
Indiana	205	817
Iowa	14	49
Kansas	31	129
Kentucky	161	640
Louisiana	73	294
Maine	48	197
Maryland	162	637
Massachusetts	123	489
Michigan	200	753
Minnesota	20	77
Mississippi	100	394
Missouri	78	315
Montana	5	17
Nebraska	59	234
Nevada	3	10
New Hampshire	103	407
New Jersey	308	1,229
New York	489	1,892
North Carolina	282	1,115
Ohio	305	1,227
Oklahoma	95	376
Oregon	4	9
Pennsylvania	296	1,184
Rhode Island	16	57
South Carolina	387	1,548
South Dakota	4	13
Tennessee	281	1,119
Texas	135	543
Utah	1	2
Vermont	20	84
Virginia	127	503
Washington	11	37
West Virginia	108	426
Wisconsin	22	85
Wyoming	2	5
Alaska	2	8
Canada	29	113
District of Columbia	87	340
Totals.....	5,719	22,676

## NEWS AND VIEWS FROM OUR READERS

[Publication in this department of letters from our readers does not mean that we either approve or disapprove the views expressed. We believe in a full and frank discussion of the mighty questions of the hour, for only in this way can the truth be found. Therefore we often publish letters with which we do not agree.—Editor Manufacturers Record.]

### Awake, Thou That Sleepest.

A. D. HICKS, Louisville, Ky.

The United States as a nation has a history and position in the world all its own. It became what it is in spite of all other nations, and not by or with their sympathy and help. The Monroe Doctrine was President Monroe's answer to the manifest purpose of the Holy Alliance with reference to Europe's encroachment upon American soil, which meant a challenge to the United States. Now that we are proposing to ally ourselves with the many nations of earth to straighten out the affairs of other continents, we need not be surprised if the Court or the League, or both, assume jurisdiction over the interests of this continent and overthrow all or most of our cherished principles.

But this nation took care of itself and sounded some timely warnings, to which other nations gave heed. And if the tug of war ever comes, the same thing will happen once more, but perhaps at fearful cost.

Blessed be the people or the nation which, while free and independent, uses that eternal vigilance which is the price of liberty. Our independence as a nation is now threatened, and has already been betrayed, by the Senate, and we are gradually being drawn into the most damnable tragedy of the ages. If those who are seeking to carry out this thing had their right name, it would be traitors!

If we builded well and rose to the place of pre-eminence in the world in 150 years, acting on the principles laid down by our national fathers, who can give a single decent reason why we should change? This new thing will not work and is wholly contrary to all human experience and to the Word of God as concerning nations. We became what we are because we lived and acted as we did, and when our policy and actions with reference to other nations shall be changed, and we take up with the League or the Court, we are doomed as a separate and independent nation.

When I think of this thing, my soul burns with indignation and I wonder how America ever harbored such a nest of traitors.

When God wanted a separate nation in the world to be His witness and maintain certain great principles, He forbade any sort of amalgamation or league with outsiders. When this principle was acted upon, Israel became great; when they fell from the peculiar position of their heritage, they became worse than other nations and utterly failed to hold up the Divine testimony.

Times may have changed, but human nature is ever the same. A certain king of Judah, under a mistaken sympathy for the King of Israel after the latter nation had fallen, made a league with the King of Israel, and promptly got what we will get when we tie ourselves up with the balance of the world, coming under their influence and power—destruction.

The American people ought to arouse themselves with a mighty indignation and stir this country from one end to the other, and call a halt upon this deadly thing with which we are becoming entangled. Great mass-meetings and demonstrations should take place, that even the pig-heads at Washington could understand. We at this moment stand at the most critical stage of all our history. The way to get out of trouble is to stay out and not get in. It is a thousand times easier to get into mischief than to get out.

The wisdom of our national fathers was good enough to

build and act upon 150 years with such glorious fruitage as the world has never known before. Why should we listen to the idle dreams of those who are betraying us? Nothing succeeds like success; we have succeeded because we have followed the routes charted out for us by the able statesmen of the past. Who has anything better to offer us now?

This is no time to mince words and say soft things. We are being betrayed, and should awaken to this fact and call a halt.

### The Importance of Newspaper Headlines.

S. G. WARNER, Birmingham, Ala.

In the MANUFACTURERS RECORD of February 4 appears an article regarding headlines that could be read with profit by every newspaper man in the country. A universal fault of newspapers is the carrying of headlines unjustified by the local or general importance of the matter following; lacking in clearness through use of words having entirely different meanings when used as nouns or as verbs, and misleading through overemphasis placed on some minor feature of the article covered. To illustrate:

A Birmingham paper comes out with large headlines stating "Man Crushed By Auto," which is properly set up if the victim is a local resident or a prominent public character, but the person buying a paper on account of the headlines feels that he has been fooled out of the price when he reads that the victim was hurt in Portland, Ore., or Maine, and is not one of whom he ever heard or in whose welfare he could be expected to have interest. What would be an item of intense local interest in Portland, among the friends and relatives of the victim, does not carry the same appeal among strangers. Similarly, the accident in Birmingham would not be of especial interest to general readers in Portland.

An account of a political meeting will be headed in fierce type, "Harriman Roasts Opposition," when a reading of the proceedings will show that Candidate Harriman was on the defensive most of the time. The courthouse reporter yells at us with heavy type: "Mathewson Roars at Prosecution," when everybody likely to read the article knows that Attorney Mathewson is a small man with a small voice, whose "roar" could not be heard across the courtroom. Such crudities cheapen the influence of any paper and detract from the respect often due to a good editorial page.

The practice of giving front-page position to accounts of the trifling activities of labor leaders is probably due to the influence of organized labor among employes in mechanical departments of the papers, but it is none the less distasteful to the reading public free from such dictation. During the lifetime of the late Samuel Gompers it was common comment that his name appeared on the front page oftener than that of the President of the United States!

The custom of featuring with glaring headlines all rumors derogatory to organizations the paper happens to dislike, while any facts reflecting on friendly organizations, political or religious, are briefly and inconspicuously listed in out-of-the-way columns, is often a boomerang in public opinion.

Swannanoa school district of Buncombe county, North Carolina, has voted a bond issue of \$150,000 for the erection of fireproof, brick school buildings in the district.

## THE IRON AND STEEL SITUATION

### Steel Consumption at High Rate.

Pittsburgh, March 15—[Special.]—As stated in last report, production of steel ingots November to February, inclusive, made a new high record for four consecutive months. The official report for February, since issued, shows that production in the four months was 15,831,945 gross tons, representing a rate of 156,752 tons per working day, which is 2.6 per cent above the rate in the first four months of last year, which previously held the record for four consecutive months. In the fourth of those months, however, production declined sharply, whereas even now production is holding up, with approximately even chances that this month will show an increase.

The important point is not so much the particularly heavy production as the fact that it has not resulted in accumulation of stocks in buyers' hands, which in the past brought about declines. In fact, the steel trade got used to expecting a decrease as soon as a high rate was reached.

Thus consumption has been running at a very high rate. Neither are there signs of consumption decreasing in any quarter, nor would decreases naturally be expected at this time of year. It is assumed that mill operations will begin tapering off before midsummer, but by that time they will have made a still better record for sustained production.

Lettings of fabricated structural steel jobs reported last week were the heaviest for many weeks, totaling 63,000 tons, while the two preceding weeks were good. The weekly average since January 1 is now up to 32,500 tons, equal to the average rate in 1925, which was a record high year in structural lettings by 12 per cent.

The Southern Railway has ordered 2250 freight cars, including 1000 hoppers from the Tennessee Coal, Iron & Railroad Co., 1000 box cars from the Mt. Vernon Car & Manufacturing Co. and 250 ballast cars from the General American Car Company. The Nashville, Chattanooga & St. Louis has ordered 300 freight cars, 75 flat and 125 hopper cars from the American Car & Foundry Co. and 100 ballast cars from the Rodger Ballast Car Company. The Southern Pacific has ordered 500 gondolas from the Pressed Steel Car Company and 1100 box cars from the Pullman Company.

These orders, reported during the week, total 4150 cars and bring the total since January 1 up to about 26,000 tons, and make the total since November 1 between 52,000 and 53,000 cars. For five months previously there had been scarcely any buying and car shops had almost run out of business. The recent orders are being filled leisurely, there being delays as to details of design, and a stoppage of buying now would hardly be noticed in its influence upon the rate of steel production.

With rails and tinplate strictly out of season as to buying, though strictly in season as to deliveries against business already done; with the special lines of structural steel and freight cars showing up well to date, and with general line buying well sustained, the steel market is very active. The general line buying is not impressive to outsiders, being in small lots, but it is quite otherwise with order departments, which are kept very busy indeed entering so many small orders.

The Steel Corporation's unfilled obligations increased for four months through December by a total of 1,520,561 tons, and now there have been two months of decreases, 150,625 tons in January and 265,917 tons in February. The decreases were at scarcely more than one-half the rate of the previous increases, and they can continue for months without the Corporation's shipping position being very materially affected. Much of the recent decrease was due to filling of rail and tinplate orders, booked long ago, without there

being correspondingly fresh bookings, as this is no buying season for those lines. The Corporation's shipments in February may be estimated at 92 per cent of capacity, and as the unfilled tonnage decrease represented about 20 per cent of capacity the bookings were in the neighborhood of 72 per cent. The high month was November, with bookings at about 121 per cent of capacity.

The Pittsburgh Valley pig-iron market continues dull. Consumers are unusually sluggish in putting out inquiries for the second quarter. Some first-quarter contract tonnage will be carried over, but not a great deal. A factor in the delay probably is a feeling that pig-iron prices may soften now that coke is easy, while there is no visible chance of their advancing. The Westinghouse Electric & Manufacturing Co. is inquiring for 12,000 tons of pig-iron for second-quarter delivery to its Cleveland plant. The electrical industry is very busy, as indicated by its unusually heavy buying of electrical sheets.

Connellsville coke has been very dull and very steady for standard grades at \$3.25 to \$3.50 for furnace and \$4.50 to \$5 for foundry. Furnacemen are holding off from contracting for second quarter, feeling that the longer they wait the better bargain they will be able to make.

### Iron Production Steady—Prices Firm.

Birmingham, Ala., March 15—[Special.]—No lagging in production, steady delivery and firm quotations on a \$22 per ton, No. 2 foundry, base are features of the pig-iron market in the Birmingham district. Sales already made for delivery during the second quarter of the year call for a considerable tonnage and the probable make of foundry iron for that period will be comfortably covered when the present month is over. No concessions are being given on the \$22 per ton price; small tonnages are, on the other hand, being called to pay \$23 per ton. There is every confidence that market conditions during the next three months will warrant continuation of activity now noted. As has been stated before, there is not much chance to increase production very much, but one or two additional blast furnaces can be placed in commission. Fourteen furnaces are now making foundry iron. The Central Iron & Coal Co. has a blast furnace at Holt which produces foundry iron when in operation. The Sloss-Sheffield Steel & Iron Co. has a furnace in the Sheffield territory which can also be brought into commission.

Various consumers of foundry iron are looking forward to a new impetus in their business, the cast-iron pressure-pipe manufacturers in particular looking forward to a new start on spring and early summer buying. The manufacture of pipe is to be increased within 60 days, counting on the new plant of the American Cast Iron Pipe Co. That there is no doubt about the pipe trade continuing for years, with the South as the logical section for this manufacture, the United States Cast Iron Pipe & Foundry Co. will build a new plant at Chattanooga. This firm has a plant at North Birmingham, one at Bessemer and one at Anniston, all in this district. The National Cast Iron Pipe Co. is looking forward to development also. Pipe makers are still watching the trend as to future foundry iron manufacture, and in case of an emergency will be prepared to meet needs. Soil pipe and fittings plants are producing at a better pace, while foundries and machine shops are also confident of improved conditions in their lines. The Birmingham Machine & Foundry Co., with diversified output, including cotton presses, gasoline pumps for filling stations, two soil-pipe and fittings shops, as well as a well organized machine shop and foundry, is receiving new business in practically all departments. New floors were added in the soil-pipe shops that the output might be increased. This com-

pany also bought stock from other plants that orders might be filled promptly.

With the pig-iron market showing steadiness and much strength, the steel market here is far from lagging. Larger mills and finishing works are active and open-hearth capacity of the district is being taxed to the utmost. But little comment was made over an announcement that upward of 6000 tons of French steel billets were imported by local consumers, an intimation being given that the product was not so plentiful here. However, fabricating plants are being kept up with and there is no doubt that active business will continue for some time. The Tennessee Coal, Iron & Railroad Co. has large orders for rail. Car orders have been received also, as well as orders for underframes, some of the roads to do their own car building. Other shapes of steel, sheet, plate, bars, etc., are in strong demand and a survey shows operations good.

The Gulf States Steel Co. is now adjusting the machinery of its new bar mill at the steel mills at Alabama City, 60 miles from Birmingham. This plant will be ready for steady operation by April and will have a monthly output of 10,000 tons of steel bars, rods, angle bars, concrete reinforcing bars and other merchantable steel. It is estimated that there will be need from now on for the operation of all six open-hearth furnaces. This company's principal output heretofore has been wire, nails and bars.

Announcements are expected in the district looking to additional steel mills, including a tube mill or steel pipe works. The Tennessee Coal, Iron & Railroad Co. is working on developments announced two months ago, including two large blast furnaces, four open-hearth furnaces and additions to other mills, besides a large number of by-product coke ovens and a power plant. Details for taking over the transportation line between Birmingham and the Warrior River by the Government, in line with the Warrior River barge service, are being consummated, the Government to operate Birmingham terminals and a great outlet provided for export business. It is understood that a number of specifications have already been considered and some healthy business filled from this district. Foreign orders in sight are numerous.

Coal-mining activity is showing slowing down but little in the face of the settlement of the strike in the anthracite coal district and the fast approach of warm weather. Production in Alabama is still good.

New development in the coal fields involve the expenditure of \$250,000 by two large producers, while several smaller operations show developments. The Semet-Solvay Co. will improve its by-product coke plant at Ensley, adding screening machinery, and will also open a coal mine during the year.

The coke trade is also good in face of extraordinary business occasioned by the curtailment of coke making during the winter in the North. Production has not shut down and no accumulation is noted. Some iron producers are still buying coke for their own requirements. Quotations for coke are holding firmly at \$5.50 to \$6.

The scrap iron and steel trade shows no improvement, but old contracts call for a large quantity of old material.

Pig-iron and iron and steel scrap quotations follow:

#### PIG-IRON.

No. 2 foundry, 1.75 to 2.25 per cent silicon, f. o. b. furnaces, \$22.00 to \$23.00; No. 1 foundry, 2.25 to 2.75 per cent silicon, \$22.50 to \$23.50; iron of 2.75 to 3.25 per cent silicon, \$23.00 to \$24.00; iron of 3.25 to 3.75 per cent silicon, \$23.50 to \$24.50; iron of 3.75 to 4.25 per cent silicon, \$24.00 to \$25.00; charcoal iron, f. o. b. furnaces, \$30.00 to \$32.00.

#### OLD MATERIAL.

Old steel axles.....	\$19.00 to \$20.00
Old iron axles.....	18.00 to 18.50
Old steel rails.....	14.00 to 15.00
Heavy melting steel.....	13.00 to 14.00
No. 1 cast.....	17.00 to 18.00
Stove plate.....	14.00 to 14.50
No. 1 railroad wrought.....	12.00 to 13.00
Old car wheels.....	16.00 to 16.50
Old tramcar wheels.....	17.00 to 17.50
Machine shop turnings.....	8.00 to 8.50
Cast iron borings.....	8.00 to 9.00
Cast iron borings (chemical).....	15.50 to 16.50

## RAILROADS

### New York Bankers Get Control of Strategic Line to Coast in West Florida.

Control of the Georgia, Florida & Alabama Railway, an independent line 183 miles long running southward from Richland, Georgia, to Carrabelle, Florida, 50 miles below Tallahassee, on the Gulf of Mexico, has, according to an announcement made in New York last week, been acquired by a group of bankers in that city headed by Freeman & Co. of 34 Pine street, this news being accompanied by the statement that the road "occupies a strategic position in the west coast of Florida developments."

"Because of the road's favorable trunk line connections," continues the statement, "and its position with respect to important developments in western Florida, it is expected that application will be made to the Interstate Commerce Commission before long covering new extensions for the road which will give it the shortest line, with its connections, from the western coast of Florida to northern and central states territory. No public offering or other new financing is contemplated at the present time."

This railroad, which was chartered in 1895 under the name Georgia Pine Railway, first built a line 40 miles northward from Bainbridge, Ga., where its general offices are situated, to Arlington in the same state, but the name was changed to the present title in 1901. Gradually the line was extended, an extension of 41 miles southward from Bainbridge to Tallahassee, Fla., being opened in 1902, and in the same year it was opened 26½ miles farther northward from Arlington to Cuthbert, Ga., and later 27 miles onward in the same direction to Richland, Ga. The line from Tallahassee south to Carrabelle, Fla., was obtained in 1906 by the purchase at foreclosure sale of the Carrabelle, Tallahassee & Georgia Railroad, this deal including a steamboat line operating 32 miles from Carrabelle westward to Apalachicola, Fla. The water line was sold and the same service is now performed by the Wing Boat Line. Two passenger trains, one in each direction, are operated over the road daily. In connection with the Central of Georgia Railway, through sleeping car service is operated between Tallahassee and Atlanta via Cuthbert. There is also a branch line about 11½ miles long between Havana—north of Tallahassee—westward to Quincy, Florida.

It would seem that the logical future of the line lies in close relationship with the Central of Georgia Railway and the Illinois Central Railway, which latter controls the former, but it may be that the Atlantic Coast Line will get it. Through service could be had via Columbus, Ga., with the West, and there is also another Central of Georgia connection at Arlington. Connections with other trunk lines are also made as follows: Seaboard Air Line at Richland, just west of Americus, Ga., at Bainbridge with the Atlantic Coast Line, and again with the Seaboard Air Line, at Tallahassee. The Quincy branch also connects with the latter trunk line. The road has 21 locomotives and 209 cars, of which 18 are passenger-train equipment. It is noted that there is a large interchange of freight at Tallahassee with the Seaboard, but there are also free interchanges with the other connections named.

A peculiar fact concerning this road is that there is not any bonded debt. There were formerly \$2,113,000 first-mortgage 5 per cent bonds, but in 1923 they were exchanged at par for an equal amount of stock, the total capital stock being \$2,685,000 par value. No dividends have been paid since 1906.

The board of directors is composed of J. L. Nisbet, president, Atlanta, Ga.; G. S. Johnston, vice-president, States-

boro, Ga.; C. R. Shaw, second vice-president, Quincy, Fla.; R. B. Coleman, general manager, Bainbridge, Ga.; J. W. Callahan and F. S. Jones, also of Bainbridge; E. B. Shafter of Quincy, L. A. Yates of Tallahassee, J. E. Coffin of Richland, D. B. Teabeaut of Cuthbert and J. S. Bush of Colquitt, Ga.

The announcement made by the New York bankers did not say from whom the stock control was acquired, but it is presumed to have been purchased (or else an option was obtained) from the Georgia and Florida men composing the board of directors, who, it is understood, held the bulk of the shares.

### Baltimore & Ohio Wants to Acquire Important Western Road.

The Baltimore & Ohio Railroad Co. last week applied to the Interstate Commerce Commission for authority to purchase control of the Cincinnati, Indianapolis & Western Railroad, which runs westward from Hamilton, Ohio, via Indianapolis to Springfield, Ill., 296 miles, being for the most part about 75 miles north of the Baltimore & Ohio's Cincinnati-St. Louis line, but connecting with the B. & O. at Hamilton. Other points touched include Cottage Grove, Connersville and Hillsdale, Ind., and Hammond and Decatur, Ill. In connection with the Monon Route (Chicago, Indianapolis & Louisville Railroad) and the B. & O., a through service is maintained between Cincinnati and Chicago, 308 miles. The Baltimore & Ohio proposes to arrange to purchase a little more than 90 per cent of the stock of the road, which it proposes to operate.

It is urged in behalf of the deal that the Cincinnati, Indianapolis & Western Railroad has an unquestioned relationship to the Baltimore & Ohio system and in harmony with the ideas advanced in connection with the consolidation policy of Congress. Connection in the West is with the Baltimore & Ohio at Springfield.

John Henry Hammond of New York city is chairman of the executive committee of the road that is sought, and Frederick H. Ecker, also of that city, and Henry F. Whitcomb of Milwaukee are the other members.

### Freight Loadings Heavier Than Last Year.

Loading of revenue freight for the first nine weeks this year—from January 1 until February 27, inclusive—totaled 8,108,459 cars, according to reports filed by the carriers with the Car Service Division of the American Railway Association. This was an increase of 28,463 cars over the corresponding period last year and an increase of 182,370 cars over the corresponding period in 1924.

For the week ended February 27 loading totaled 912,658 cars, but, due to the observance of Washington's Birthday, this was a decrease of 19,085 cars compared with the preceding week. It was, however, an increase of 48,562 cars over the same week last year, which also included a holiday.

### Two Railroad Construction Plans.

The Chicago, Rock Island & Pacific Railway proposes to build a line from near Trenton, Mo., to near Braymer, Mo., about 33 miles, on its way to Kansas City, as the projected line would enable it to cease using the line of the Burlington Route from Cameron Junction to Harlem, Mo., over which it now enters Kansas City and which is congested with traffic.

Another proposed line, for which contract has been let to the Sharp & Fellows Construction Co. of Los Angeles, Cal., is that for the Santa Fe system from Fairfax to Pawhuska, Okla., 32 miles, this being a cut-off for the service between Dallas, Kansas City and Chicago.

### Southern Railway Orders \$12,000,000 Worth of Cars and Engines—Other Equipment News.

New engines and cars costing approximately \$12,000,000 have just been purchased by the Southern Railway system for delivery during the summer months so as to be available for handling the heavy fall business. Included in the order are 113 locomotives, 55 all-steel passenger-train cars, 1500 box cars, 1000 hopper coal cars, 250 ballast cars and 1000 steel underframes—the latter to be applied to box cars in the company's shops.

The bulk of this equipment will be built in plants located on the Southern Railway, orders having been placed as follows: Richmond (Va.) plant of the American Locomotive Company, 23 Pacific type engines for passenger service; 51 Mikado type and 10 Consolidation type engines for freight service. Seven Mallet type engines will be built by the Baldwin Locomotive Works and 22 heavy switch engines by the Lima Locomotive Works.

The Birmingham (Ala.) plant of the Tennessee Coal, Iron & Railroad Co. will build 1000 hopper cars; the Mt. Vernon (Ill.) plant of the Mt. Vernon Car Manufacturing Company, 1500 box cars; the Birmingham (Ala.) plant of the Virginia Bridge & Iron Co. will supply the 1000 steel underframes.

The passenger equipment, including 30 passenger cars, 15 baggage-express cars, 6 mail-baggage cars and 4 postal cars, will be built by the Pullman Company, and 250 ballast cars by the General American Car Corporation.

In addition to these contracts the Southern is having 2100 gondola coal cars rebuilt and 100 caboose cars built; in its own shops it is building 25 refrigerator cars for passenger service and 500 flat cars.

Other equipment orders are reported as follows: Chicago, Rock Island & Pacific Railway, 10 Mikado type and 5 Mountain type locomotives from the American Locomotive Co.; Tennessee Coal, Iron & Railroad Co., 1 six-wheel switching locomotive from the same builders; Imperial Refining Co., Tulsa, Okla., 100 tank cars from the Pennsylvania Car Co.; Southern Pacific Railway, 500 gondola cars from the Pressed Steel Car Co.; 1100 box cars, 10 passenger cars and 28 baggage cars from the Pullman Car & Manufacturing Corporation, and 6 combination baggage and postal cars from the Standard Steel Car Co.

Equipment inquiries reported in the market include 600 freight cars for the Missouri Pacific Railroad and 6 passenger cars for the Central of Georgia Railway.

### New Train on Southern System.

The "Queen and Crescent Limited," a new solid fast, all-Pullman train between Cincinnati and New Orleans, will be started by the Southern Railway system on May 1. The equipment will include club cars and observation cars, besides sleepers and diners. There will also be sleeping cars between Detroit, Cleveland and New Orleans, to be handled north of Cincinnati by the Big Four and Michigan Central lines. The new train will save two hours and ten minutes from the present running time. New cars are being built for it.

The service between New York, Washington, Knoxville, Chattanooga, Birmingham and New Orleans by trains 41 and 42 will be greatly improved as a result; they will be operated strictly as New York-New Orleans trains coincident with the new train between Cincinnati and New Orleans. It will not be necessary to handle Cincinnati-New Orleans sleeping cars and running time will be shortened.

R. L. Burney of San Antonio is reported backing a proposition to erect a \$200,000 hotel of four stories and 100 rooms at Kerrville, Texas.

## GOOD ROADS AND STREETS

### Rapid Expansion of Motorbus Transportation in and Around Norfolk.

Norfolk, Va.—A network of bus lines extending to all parts of Virginia, to North Carolina and to states beyond radiates from this city. Five new interurban bus lines have recently been established to operate between Norfolk and Richmond, there connecting with lines to North Carolina.

The latest addition is the Edgerton Line, running from Suffolk to Petersburg, connecting with the Norfolk to Suffolk line. The Transit Company had previously extended a line from here to Suffolk, to Rocky Mount, N. C., by Winton and Murfreesboro, connecting at Rocky Mount with other lines crossing North Carolina or running South. A bus now operates to Elizabeth City over the George Washington Highway.

A line from Norfolk to Edenton, N. C., by way of Franklin and Suffolk was established last year, as was the Peninsula Transit Corporation, from Norfolk to Richmond by way of Newport News. The White Star and Edgerton Lines, running from Norfolk to Suffolk, have been in operation for several years, and recently added new equipment. The Virginia Beach Bus Line has been operating for several years.

Unification of the street car and motorbus service in Norfolk, turning over to the Virginia Electric & Power Co. the control of the urban bus transportation, is in accord with the tendency throughout the country toward motorizing public transportation wherever possible, particularly the systems serving rapidly growing sections of big cities. The unification of the Norfolk service, although just in its infancy, is attracting widespread attention, as presenting a partial solution of the public transportation problem, which has grown acute with the increase in the number of automobiles and the consequent congestion of traffic.

It is now possible to find bus transportation from Norfolk to most parts of Virginia by easy stages. The cross-state system has not been completely developed, but within six months it is anticipated that it will be possible to travel from here to Bristol with not over six changes.

Plans are being discussed for the establishment of a central terminal, with transfer facilities from one bus line to another and with an interchangeable fare arrangement that will permit the traveler to arrange through bus transportation to any part of Virginia or North Carolina.

### Cabell County Asks Bids on Roads.

Huntington, W. Va.—Sealed bids will be received until March 26 by the Cabell County Court at its office here for the improvement of five road projects in Guyandotte district, calling for the following approximate quantities: 46,000 cubic yards of unclassified excavation, 2200 linear feet of culvert pipe, 178,000 pounds of metal reinforcement, 810 cubic yards of concrete masonry, 10,500 cubic yards of cement concrete pavement and other items. Plans, specifications and proposal forms may be obtained from the office of J. M. Oliver, county engineer.

### To Pave 33 Streets at Cost of \$2,000,000.

New Orleans, La.—Bids will be opened March 30 by the Commission Council of this city for paving 33 streets at an approximate cost of \$2,000,000. Work will include the installation of a complete system of sub-surface drains, permanent paving with standard wearing surface and a temporary surface of gravel. Plans and specifications are on file at the office of the city purchasing agent. Bryson Valles is the city engineer.

### Kentucky County May Vote on \$350,000 Bonds.

Frankfort, Ky.—At a meeting sponsored by the Chamber of Commerce approximately 150 landowners of Franklin county voted in favor of calling an election on a bond issue of \$350,000 for the construction of roads in the county. Petitions to be circulated will request that the election be held on May 4.

### Missouri to Expend \$27,000,000 This Year.

Jefferson City, Mo.—According to B. H. Piepmeier, chief engineer of the State Highway Department, Missouri will expend \$25,000,000 this year for road construction and \$2,000,000 for maintenance. As tentatively planned, proposed construction will embrace a total of 1000 miles, distributed among 114 counties. Last year's construction covered 830 miles at a cost of \$25,000,000.

### Company Has Contracts for Florida Highways.

Fort Lauderdale, Fla.—C. V. Turner, consulting engineer, with offices at Bartow, has joined with the Tidewater Construction Co. here and will operate under that name as engineer and contractor. Offices will be maintained in Key West, Fort Lauderdale and Bartow. The company is now building 21 miles of the overseas highway from Key West to the mainland. It also has contract for six miles of boulevard on the island of Key West. This boulevard will consist of a seawall, a sidewalk 20 feet wide, a parkway 50 feet wide, and will be equipped with white-way standards every 50 feet.

### For Bridge Across Bay of Biloxi.

Pascagoula, Miss.—An election has been set for March 30 in district No. 4 by the Jackson County Board of Supervisors on a bond issue of \$184,000 for the construction of a bridge across the Bay of Biloxi at Ocean Springs and for paving the Back Bay road from Ocean Springs to Biloxi. Of the total issue, \$100,000 will be used for building the bridge, the expense to be borne by Harrison and Jackson counties. Biloxi is already building a concrete bridge across the bay on the Old Spanish Trail, but the proposed bridge, it is said, will shorten the distance between the two cities by about three miles. Bridges are also to be erected at Pascagoula and Moss Point; details of financing have not been determined.

### New Company Takes Over Operation 148 Motor Coaches in Florida.

Jacksonville, Fla.—The Florida Motor Lines, Inc., has been organized to operate approximately 148 motor coaches under the executive management of Stone & Webster, Inc., Boston, Mass. It is the successor to the White Stage Line Co. of Tampa, Fla. The former White Stage Line purchased on December 1, 1925, the Orange Belt Auto Lines, the Miami-Jacksonville Bus Co. and the Florida Motor Transportation Company.

The Florida Motor Transportation Co. operated a bus route from Jacksonville to Florida City on the east coast. The Miami-Jacksonville Co. did likewise. The Orange Belt Auto Line operated a local city service in Orlando through its subsidiary the Orlando Rapid Transit Co. and intercity lines radiating from Orlando.

Highlands County Commissioners, Sebring, Fla., have awarded contract at approximately \$214,000 to the Standard Asphalt Co., Orlando, Fla., for resurfacing and rebuilding state road No. 8 through the county.

## LUMBER AND BUILDING MATERIALS

### Heavier Buying Than Last Year.

Washington, March 11.—The National Lumber Manufacturers Association received telegraphic reports today of the status of the lumber industry for the week ended March 6 from 384 of the larger softwood and 116 of the chief hardwood mills of the country. The 369 comparably reporting softwood mills showed increases in production and shipments and a slight decrease in new business in comparison with reports from 367 mills the week earlier. When compared with reports for the same period of last year—when nine fewer mills reported—gratifying increases, particularly in new business, were noted. The hardwood operations showed marked current increases in all three factors.

The unfilled orders of 229 Southern Pine and West Coast mills at the end of last week amounted to 711,561,107 feet, as against 712,579,387 feet for 227 mills the previous week. The 127 identical Southern Pine mills in the group showed unfilled orders of 304,565,184 feet last week, as against 307,243,968 feet for the week before. For the 102 West Coast mills the unfilled orders were 406,995,923 feet, as against 405,335,419 feet for 100 mills a week earlier.

Altogether the 369 comparably reporting mills had shipments 107 per cent and orders 108 per cent of actual production. For the Southern Pine mills these percentages were, respectively, 101 and 97, and for the West Coast mills 106 and 110.

Of the reporting mills the 337, with an established normal production for the week of 215,557,707 feet, gave actual production 103 per cent, shipments 108 per cent and orders 107 per cent thereof.

The following table compares the national softwood lumber movement as reflected by the reporting mills of eight regional associations for the three weeks indicated:

Mills	Corresponding Preceding Week		
	Past Week.	Week, 1925.	1926 (Revised).
Production	369	360	367
Shipments	237,711,333	227,168,224	226,495,064
Orders	253,701,560	246,809,597	247,639,564
	255,649,152	223,828,120	256,892,933

The following revised figures compare the softwood lumber movement of the same eight regional associations for the first nine weeks of 1926 with the same period of 1925:

	Production.	Shipments.	Orders.
1926	1,985,731,431	2,179,113,293	2,243,087,233
1925	1,937,756,655	2,024,004,737	1,949,510,976

The Southern Cypress Manufacturers Association of New Orleans for the week ended March 3 reported from 15 mills

### SOFTWOOD LUMBER MOVEMENT FOR NINE WEEKS, AND FOR WEEK ENDING MARCH 7.

	Production		Shipments		Orders	
	1926	1925	1926	1925	1926	1925
<b>Southern Pine Association:</b>						
Total	658,370,131	655,490,909	663,697,897	614,658,838	607,034,881	626,884,041
Week (127 mills)	75,659,680	76,233,131	76,198,848	74,326,836	73,520,064	71,110,377
<b>West Coast Lumbermen's Association:</b>						
Total	823,804,259	855,477,770	841,638,606	856,561,731	889,077,264	796,093,964
Week (102 mills)	99,191,704	100,414,887	105,517,386	106,951,382	109,251,501	95,900,108
<b>Western Pine Manufacturers Association:</b>						
Total	178,183,000	158,865,000	231,667,000	234,968,000	242,721,000	209,176,000
Week (37 mills)	24,428,000	20,882,000	27,695,000	26,286,000	30,403,000	25,350,000
<b>California White and Sugar Pine:</b>						
Total	109,434,000	53,489,000	218,998,000	94,321,000	198,648,000	111,368,000
Week (24 mills)	11,754,000	4,272,000	19,172,000	8,125,000	19,651,000	8,106,000
<b>California Redwood Association:</b>						
Total	72,467,000	70,408,000	64,530,000	62,457,000	73,558,000	61,384,000
Week (15 mills)	10,399,000	8,361,000	8,986,000	11,778,000	8,200,000	7,987,000
<b>North Carolina Pine Association:</b>						
Total	67,517,441	63,454,486	70,036,290	65,044,068	53,044,088	56,924,971
Week (41 mills)	8,440,549	8,293,006	7,418,326	9,115,779	4,015,587	7,834,635
<b>Northern Pine Manufacturers Ass'n:</b>						
Total	56,322,600	52,854,400	69,481,500	73,859,100	74,844,000	70,708,000
Week (8 mills)	5,747,400	6,308,200	7,109,000	8,702,600	9,008,000	6,165,000
<b>Northern Hemlock and Hardwood (Softwood)</b>						
Total	19,633,000	27,717,000	19,154,000	22,135,000	14,160,000	16,972,000
Week (15 mills)	2,091,000	2,404,000	1,605,000	1,524,000	1,600,000	1,375,000
General total for 9 weeks	1,985,731,431	1,937,756,655	2,179,113,293	2,024,004,737	2,243,087,233	1,949,510,976
General total for week	237,711,333	227,168,224	253,701,560	246,809,597	255,649,152	223,828,120

## TEXTILE

### \$2,000,000 BLEACHERY APPROACHING COMPLETION.

#### Southern Branch of Rhode Island Company Near Asheville, N. C., to Have Initial Capacity 1,000,000 Yards Weekly.

Biltmore, N. C., March 12—[Special.]—Construction is proceeding rapidly upon the Sayles-Biltmore Bleacheries plant here, the Southern branch of the Sayles Finishing Plants, Inc., of Saylesville, R. I., on a site of 200 acres on the Swannanoa River, about one mile east of Biltmore and about two miles from the center of Asheville. The property consists of the plant proper and a village of 75 houses. It is estimated to represent an expenditure of about \$2,000,000.

The plant consists of four separate buildings—the main processing and manufacturing building, the auxiliary building, the chemical storage and supply building, and the power plant, all of reinforced concrete. The main building is 150 by 632 feet, part of one, part of two and part of three stories high. In it all the bleaching, finishing and manufacturing operations will be carried on. The auxiliary building is 100 by 225 feet and four stories high. It will serve for the storage of gray and finished goods, manufacturing supplies, box shop, machine shop, etc. It is connected with the main building by a four-story enclosed bridge through which will pass supplies. The chemical storage and supply building is a three-story structure, 50 by 100 feet, and in it the chemicals for use at the plant will be stored, mixed and distributed. The power plant at present has boilers of 477 horsepower, with mechanical stokers, and a 750 k. v. a. turbine-driven generator.

The Southern Railway runs along the southern boundary of the property, and from it a spur track runs approximately three-fifths of a mile to the plant. At the plant the tracks are carried on a concrete trestle so that cloth and supplies are unloaded directly into the top floor of the auxiliary building and coal is unloaded into a track hopper, from which it is carried by a conveyor to an overhead bunker in the boiler house.

Adjacent to the plant is the village, consisting of 75 houses of the bungalow type, with three, four and five rooms. All

have running water, are equipped with bathrooms and inside toilets, and are connected to a modern sewer system. Electricity for lighting and domestic purposes is supplied by the plant power house. During the construction of the streets and village especial care was taken to preserve the beautiful native trees growing on the site, and these, together with the general layout, make the village unusually attractive.

The Sayles-Biltmore Bleacheries, while a branch of the Sayles Finishing Plants, Inc., will be a complete and comprehensive bleachery and finishing plant. It will specialize in cloths manufactured by Southern mills, particularly wide and narrow sheetings and shirtings, and will manufacture sheetings into sheets and pillow cases. The initial capacity will be 1,000,000 yards weekly.

J. E. Sirrine & Co., Greenville, are the engineers. Among the contractors engaged and firms furnishing equipment are the following: Raymond Concrete Pile Co., New York city, foundation; H. A. Wells Construction Co., Asheville, N. C., grading side-track streets, roads and drainage ditch; W. M. Welch, Inc., Greenville, S. C., 75 houses; Edens & Moon, Greenville, S. C., plumbing in dwellings; General Electric Co., Schenectady, N. Y., turbo-generator; Westinghouse Electric & Manufacturing Co., East Pittsburgh, Pa., switchboard; C. H. Wheeler Manufacturing Co., Philadelphia, condenser; Babcock & Wilcox Co., New York city, boilers; Riley-Sanford Stoker Co., Worcester, Mass., stokers; Diamond Power Speciality Co., Detroit, Mich., soot blowers; Alphons Custodis Chimney Construction Co., New York city, chimney.

The New York office of the plant is at 72 Leonard street, with the other branches of the Sayles Finishing Plants, Inc.

#### Plans for Enlargements.

Monticello, Ark.—The Monticello Cotton Mill is having plans prepared by Lockwood, Greene & Co., New York and Atlanta, for the enlargement of its plant here and the installation of 5000 additional spindles. Construction will be of steel and concrete and the cost of machinery will be approximately \$190,000. The mill produces ducks, osnaburgs and drills, and will have an annual capacity of 1,500,000 pounds. It is at present equipped with 8000 ring spindles, 57 broad and 92 narrow looms. Officers of the company include J. G. Williamson, president; C. J. Mansfield, vice-president; Louis R. Myers, secretary; Terral Spencer, treasurer, and C. T. Harris, manager.



NEW PLANT OF SAYLES-BILTMORE BLEACHERIES AT BILTMORE, N. C.

### Little Rock Cotton Mill Company.

Little Rock, Ark.—Plans have been made by the Little Rock Cotton Mill Co., J. R. Alexander, president, to install from 3000 to 7000 spindles for the production of tire fabric. As previously announced in the MANUFACTURERS RECORD, the company has recently organized with a capital stock of \$200,000 and has purchased a concrete building for use as a plant. Machinery will cost approximately \$75,000, the mill to have a daily capacity of 7000 pounds.

### Mill to Install \$400,000 Worth of Machinery.

Fort Mill, S. C.—According to a statement by George Fish, recently elected vice-president of the Fort Mill Manufacturing Co., in an address at the fifteenth annual banquet of the First National Bank of Fort Mill, the company has made definite plans for the installation of \$400,000 worth of machinery in mill No. 1 for the purpose of changing the production of the plant; this will involve the addition of a bleachery. It is stated that the mill will discontinue the manufacture of ginghams and will undertake the production of wide sheetings to be bleached and later prepared as sheets and pillow cases. The plant is at present equipped with 20,304 spindles and 806 narrow looms.

### Southern Textile Exposition in November at Greenville.

Greenville, S. C.—The seventh Southern Textile Exposition will be held here November 1 to 6, inclusive. It will be the largest yet held, and will include the most varied display of textile machinery, equipment and supplies ever exhibited in Textile Hall, according to those arranging details. The hall will be completely filled; also a frame annex erected for the occasion. The annex will be one story high and built so that those who take space there will have every advantage of the ground floor of Textile Hall, with which it will be connected by three wide corridors, 8 feet wide and 15 feet long. Interior changes will also be made in the main building.

### Farm Radio Making Rapid Growth.

There are nearly 1,000,000 radio sets on farms in the United States, the Department of Agriculture estimates in a report on the growth of farm radio during the past five years. In some states there are radio sets on 25 to 40 per cent of all farms.

Increased power and improved broadcasting, together with better receiving sets, the department believes, "will do much to aid in establishing the permanency of the use of radio for the benefit of agriculture. One station alone in a period of three months' broadcasting of market and weather reports received more than 3000 letters of commendation from farmers, country banks, shippers of livestock and small merchants in the towns in 12 agricultural states surrounding the station."

The department has made co-operative arrangements with more than 100 stations for broadcasting official market news gathered by department representatives to leading shipping and consuming areas. Since the first of the year the department has made arrangements with about 60 stations to broadcast on a regular schedule four additional services dealing with general agricultural information. Since 1921 the service has grown until now there is practically no agricultural community in the country that is without official market reports on agricultural commodities.

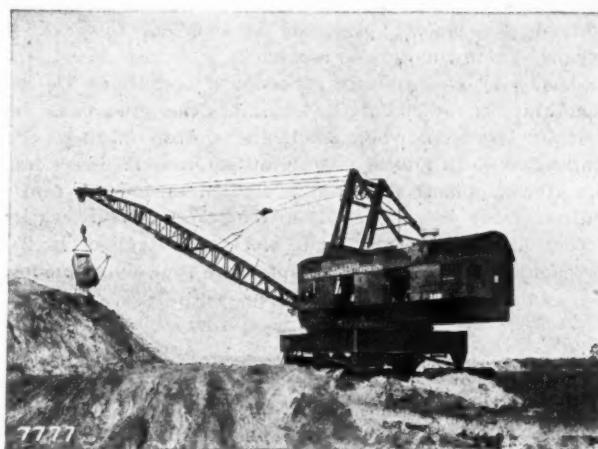
Machinery is being installed by the Galax Overall & Shirt Co., W. Dalton, manager, Galax, Va., for an initial production of 12 to 15 dozen overalls per day.

## MECHANICAL

### Caterpillar Mounting on 500-Ton Dragline.

Steam-shovel design has undergone very marked improvement during the last few years. It was only fourteen years ago that the Bucyrus Company, South Milwaukee, Wis., shipped the first dragline to be mounted on caterpillars, a machine driven by an oil engine and weighing approximately 96 tons. Then it was seriously questioned whether this type of mounting would ever prove practical for excavating machinery, but now nearly all the smaller shovels are equipped with it.

There has now been built and placed in operation in the field caterpillar mounting for the Class 320 dragline, and it



BIG ELECTRIC DRAGLINE AT PHOSPHATE PIT NEAR LAKELAND, FLORIDA.

is also available for the 320-B shovel. It is composed of four units, one under each corner of the base, the units being composed of two caterpillar belts 36 inches wide, each forming a continuous track for two large diameter rollers, an idler tumbler and a driving tumbler.

The caterpillars are almost shoulder high beside a man of average size, and an idea of the dimensions of this new caterpillar mounted machine is afforded by the fact that, ready for operation, it weighs approximately 1,000,000 pounds, or 500 tons. In spite of this tremendous weight, the bearing area of the caterpillar belts is such that the machine can propel itself over soft ground without difficulty.

The mounting, of course, is of interest to owners and users of such large machines in that it eliminates a large number of the pitmen and trackmen required when a machine is mounted on railroad trucks, and there is no track to be broken.

### Economy of "Oxwelding" in Manufacturing Production.

A very interesting illustration of the economies to be had from use of the oxy-acetylene process appears in the publication "Oxy-Acetylene Tips" for March, issued by the Linde Air Products Co., New York city. The opening article for the month, entitled "Oxwelding As a Step in Manufacturing Production," says that at the plant of one of the leading manufacturers of firearms a firing bolt was formerly machined from a drop forging, but is now made much more economically by the use of oxy-acetylene.

In a firing bolt the distance from the bottom of a hole which goes through it and the end of the bolt must be held to a fairly close tolerance. It should also be noted that not only must the bottom of the hole be flat, but the sides must be

milled into a parallel groove. This is an unusually difficult machining operation in itself. Furthermore, the bottom of the hole must be hardened to resist the wear of a lever which rubs against it, and, lastly, the end of the bolt must be blued to give it a good appearance and enable it to resist rust. In order to avoid the difficult and expensive operations connected with this method of manufacture the engineers at the plant devised an alternative method. The barrel of the bolt and its head are now pressed from a piece of steel plate of correct thickness. This gives a barrel of sufficient accuracy for the purpose. The slotted center portion of the head is made of a short piece of machine steel of somewhat higher carbon content. This is slipped into the head of the barrel and held in proper position and at the proper distance from the end by a suitable jig and two pieces welded together with an oxy-acetylene flame and welding rod. While still hot from the welding heat the head is plunged into water, which properly hardens the slot. After machining the knob at the head end, the blueing operation is sufficient to draw the hardened slot to the desired toughness.

As shown by an estimated schedule of operations, the cost of manufacture by using the oxy-acetylene process is very materially less than when machining a drop forging. This saving amounts to almost exactly 50 per cent in direct labor and material, and if overhead is figured at 150 per cent of the direct labor cost, which, it is remarked, is conservative; the cost of manufacture from machined forgings is 23½ cents each, while the cost of manufacture by welding amounts to 9¾ cents each, a saving of 60 per cent.

### Improved Heavy-Duty Dump Truck.

Described as the "last word" in heavy-duty dump-truck development, a new model has an auxiliary transmission affording the equivalent of five speeds, giving extra low-gear pulling power for hill climbing and getting out of holes or



TRUCK IN DUMPING POSITION.

mire, a new dumping mechanism and tapered dump body, an improved and patented oil system and an exclusive double-reduction gear drive provided by the manufacturer, the White Company, of Cleveland, Ohio, which has named this product Model 52-D.

This new truck, built along the general lines of the Model 45-D but with many refinements, is intended to meet changing conditions in industry with a machine which anticipates the highly developed demands of dump-truck construction. New features other than those mentioned include a big, sturdy, tubular type radiator, spring cradles on the frame, a wide and heavy pressed steel bumper, heavier and easy-working steering gear, an air-temperature regulator that saves fuel and adds to engine efficiency in all seasons, heavy springs, reinforced frame of chrome nickel steel and brakes

with drums of a special metal that insures quick, certain stopping and long brake life.

The auxiliary transmission enables the driver to gear down to the hardest pull when needed, and yet it allows the main transmission to work at a higher top speed on level road.

Incorporated in the same case with the auxiliary transmission is the mechanism which operates the dumping hoist. The tapered dump body is raised on sturdy arms and links by means of a safe, speedy and positive gear drive. It lifts to an angle greater than 50 degrees, dumping any load clean. The body is under positive control in all positions and may be held at any angle. It is lowered by the same mechanism that hoists it, but can be lowered while the truck is in motion on its way back for another load. At normal rest position and at the extreme dumping angle the body is automatically stopped.

The wheelbase of this model is 156 inches and solid tires, 36x6 front and 40x12 rear, are standard equipment.

### Gas and Electric Output at Baltimore in 1925.

The year book and annual report of the Consolidated Electric Light & Power Co. of Baltimore for 1925, which is entitled "Baltimore's Sixteen Years of Super-Power," is written by Arthur W. Hawks, Jr., and is a beautiful publication full of interesting and informing material. The Westport power plant of the company, for instance, is the largest of its kind south of Philadelphia, and at times it burns two tons of coal every minute to generate electricity, but it now consumes it with such economy that last year the plant required but 1½ pounds of coal per kilowatt-hour; in 1910 it required 2¾ pounds for the same unit. The generating total capacity is 220,000 horsepower. But, in addition to this large station, the company is building another one on Gould street with an initial installation of 47,000 horsepower, which will be running next fall. To this unit additions will be made up to 187,000 horsepower.

The Spring Gardens gas works of the company constitute one of the largest gas plants in America. It covers 57 acres of land abutting on the harbor, and it is a direct descendant of the first gas works on this continent, begun in 1816. To supplement the gas works output, by-product coke oven gas is piped from the Sparrows Point plant of the Bethlehem Steel Company, 13 miles away.

The electric output of the company, which five years ago added the steam-power plant of the United Railways & Electric Co. to its holdings, and which has also been augmented by power from the Pennsylvania Water & Power Co.'s hydroelectric plant, 40 miles away, has increased twelve and one-half times since 1910. In that year the electric output was 57,634,000 kilowatt-hours; in 1925 it was 718,003,000 kilowatt-hours.

The total gross operating revenue in 1925 was \$22,746,142, an increase of practically 6 per cent as compared with 1924, and the net operating revenue after expenses and taxes was \$8,135,088, an increase of nearly 17½ per cent. Total net operating and non-operating revenue was \$8,481,154, an increase of more than 18½ per cent. Surplus for the year was \$3,095,863, an increase of practically 54½ per cent. Total surplus is \$8,740,582.

### Potash and Nitrate Cargoes at Pensacola.

Pensacola, Fla.—According to figures compiled by E. W. Speed, local freight agent of the Louisville & Nashville Railroad Co., potash and nitrate cargoes aggregating more than 30,000 tons and valued at \$1,500,000 have recently reached Pensacola. The potash was shipped from Germany and the nitrates from Chile.

# CONSTRUCTION DEPARTMENT

## EXPLANATORY

Additional information is published about all enterprises mentioned in this department as soon as such data can be obtained.

An asterisk (\*) following an item indicates that the enterprise has been reported in a preceding issue.

## DAILY BULLETIN

The Daily Bulletin is published every business day to enable its subscribers to follow up promptly the industrial, commercial, railroad, financial, building and general business development of the South and Southwest. To machinery manufacturers and dealers, contractors, engineers, and others who require daily information of every new enterprise organized and details about important additions to enterprises already established, the Daily Bulletin is invaluable. Subscription price, \$30.00 a year.

### Bridges, Culverts and Viaducts

#### Proposed Construction

Ala., Tuscaloosa—See Roads, Streets, Paving.

Ark., Batesville—State Highway Comm., Herbert R. Wilson, Chmn., Little Rock, receives bids Apr. 1 for reinforced concrete bridge over White River, estimated cost \$303,549; R. C. Limerick, State Highway Engr.

Fla., Clearwater—City Comms., Charles F. Mason, Mgr., plan building 6 bridges, cost \$35,500. See Financial News—Bond Issues Proposed.

Fla., Key West—Wm. J. Connors, West Palm Beach, reported plans \$15,000,000 for toll bridge across Florida Keys, connecting mainland to Key West.

Fla., Tampa—Mabry-Hall Realty Co., Paul Delmont, Tampa and Twiggs Sts., in charge of subdivision dept., plans bridge and causeway across lake in Lake Carroll Estates development.

Fla., Vernon—See Roads, Streets, Paving.

Fla., Vero Beach—Vero Beach-Detroit Co., Stanley C. Wilson, Asst. Gen. Mgr., Vero Del Mar Hotel, plans 1750 ft. causeway and 2200 ft. trestle bridge across Indian River; 120 ft. steel draw span, 18 ft. clear roadway; 30 ft. hard surfaced causeway, with cement curb and gutter; Carter & Damerow, Vero Beach, Fla.\*

Ga., McRae—See Roads, Streets, Paving.\*

Ga., Perry—See Roads, Streets, Paving.

La., Coushatta—Harry E. Bovay, Pres. Vicksburg Bridge Co. and Cairo Bridge Co., Stuttgart, Ark., plans bridge across Red River at Coushatta.

La., Lake Charles—Louisiana Highway Comm., Baton Rouge, received low bid from Southern Engineering Construction Co., Logansport, La., at \$91,227, to repair Calcasieu River Bridge on Lake Charles-Westlake Highway.\*

La., Shreveport—City and Kansas City Southern Ry., A. N. Reece, Ch. Engr., Kansas City, Mo., receive bids May 1 for steel and reinforced concrete viaduct on Texas Ave., estimated cost \$350,000. Address City Clk.

Md., Havre de Grace—State Roads Comm., 601 Garrett Bldg., Baltimore, authorized to alter and widen bridge, and alter, widen and reconstruct draw span of present highway bridge across Susquehanna River, between Havre de Grace and Perryville, Cecil County.

Miss., Bay St. Louis—Hancock and Harrison Counties, Boards of Supvrs., receive bids Apr. 14 for 1.97 mi. bridge across Bay St. Louis, 202-ft. electrically operated steel swing span, concrete piers, creosoted timber and pile trestle approaches; 20-ft. roadway, sidewalk, bituminous carpet coat; plans from State Highway Dept., Jackson; H. C. Dietzer, State Highway Engr.

Miss., Macon—Noxubee County Board of Supvrs., John W. Ryson, Clk., receives bids Apr. 5 for wooden bridge at F. L. Patty place on Bigbee Valley road.

Miss., Pascagoula—See Roads, Streets, Paving.

Mo., Springfield—Greene County Court plans 4 bridges: At Pickerel, 4 mi. north of Republic; Frazier Ford, over Dry Sac, on Pleasant Hope road; Little Pomme de Terre, near Bassville; over Sycamore, south of Ash Grove, on Ash Grove and Billings road. Address County Comms.

N. C., West Asheville—Asheville-Buncombe County Comms., E. M. Lyda, Chmn., plan resurfacing West Asheville Bridge from Roberts St. to Haywood road.

Tex., Crockett—State Highway Comm. will build 3 bridges. See Roads, Streets, Paving.

Tex., San Leon—Galveston County, E. B. Holman, County Judge, Galveston, plans 950-ft. bridge across Dickinson Bayou; earth and pile trestle approach, 40-ft. I-beam span; 11 tons structural steel, 10,000 lin. ft. creosoted piling; plans from J. M. Murch, County Auditor; C. C. Washington, County Judge.

Va., Cape Henry—State Highway Comm., Richmond, proposes bridge across Lynnhaven Inlet, connecting Cape Henry with Ocean View and Willoughby; cost \$100,000.

W. Va., Mannington—City Comms., R. E. Mockler, Clk., plan bridge over Buffalo Creek at Water and Clarksburg Sts.; also retaining wall between bridge over Pyles Fork Creek and sidewalk approaches to both bridges; cost \$15,000. See Financial News—Bond Issues Proposed.

#### Contracts Awarded

Fla., Key West—Monroe County Comms., D. Z. Filer, Clk., granted franchise to C. A. P. Turner Engineering Co., Minneapolis, Minn.; \$12,000,000 expenditure for 3 bridges connecting termini of Over-Sea Highway.\*

Ga., Elberton—Elbert County, Ga., and Anderson County, S. C., let contract to Austin Brothers Bridge Co., Atlanta, at \$70,373 for 955 ft. bridge across Savannah River, near Sanders Ferry.\*

Md., Frederick—Frederick County Comms. let contract to M. J. Grove Lime Co., Lime Kiln, Md., for 90-ft. iron bridge over Bennett's Creek, near Park Mills, on road between Frederick and Montgomery County.

Tex., Del Rio—Val Verde County, W. F. Littleton, County Judge, and State Highway Dept., Hal Moseley, Chmn., Austin, let contract to Haynes & Burns, Sanderson, Tex., at \$7200, for three 18-ft. spans bridge with dirt approaches.

Tex., San Antonio—City, John W. Tobin, Mayor, let contract to Pryor & Jeffrey Co., San Antonio, at \$36,067 for reinforced concrete bridge across San Antonio River; asphalt roadway.\*

#### Clayworking Plants

Fla., New Smyrna—Marble Face Brick Co., capital \$20,000, incorporated; G. N. Means, H. W. Houston.

#### Coal Mines and Coke Ovens

Ark., Vilonia—Vilonia Coal Co., M. E. Sams, Sec., has 57 acres under development.\*

W. Va., Morgantown—Rosedale Coal Co., Monongahela Bldg., reorganized; Charles E. Hawker, Pres., increased capital, will expand and improve plant at Maldenville, increasing daily capacity from 2500 to 4000 tons.

W. Va., Webster Springs—Guardian Coal Co., Philadelphia, Pa., reported, establish branch office in First Natl. Bank Bldg.; has 7500 acres coal land on Lick Run and Holly River; plans extensive development.

#### Cotton Compress and Gins

Ala., Hartselle—A. Polytinsky, Decatur, will construct \$22,000 cotton gin; capacity 150 bales daily.

Ark., Nimmons—Oliver Interests, Corning, will erect cotton gin.

Oklahoma—C. C. Hultquist, Big Cabin; Guthrie Cotton Oil Co., Enid; Mack Bailey, Talala; J. H. Bellis Cotton Co., Pawhuska and Reid-Graham-Morton Gin Co., Fairland, have permits for erection of cotton gins in Oklahoma.

Okla., Bartlesville—Sharp & Hatcher Co., Muskogee, will construct cotton compress at Seventh and Quapaw Sts.

Okla., Bokchito—Farmers Co-operative Gin Co., J. J. Marshall, Pres., Tonkawa, will con-

struct five 8-gin stands, power and huller complete; cost of building \$5000; cost of machinery \$25,000; contract not let.\*

Okla., Stuart—Kennerly Gin Co., capital \$14,000, incorporated; M. C. Kennerly, McAlester, Ott Reeves.

#### Cottonseed-Oil Mills

Miss., Natchez—M. C. Stockbridge, 1038 E. College St., Shreveport, La., reported interested in establishment of cotton seed oil mill.

#### Drainage, Dredging and Irrigation

Fla., Vero Beach—See Miscellaneous Construction.

Fla., West Palm Beach—See Miscellaneous Construction.

Okla., Hugo—G. A. Marshall of Hugo has charge of excavating drainage canals in Boggy River bottoms; reclaiming about 2000 acres.

#### Electric Light and Power

Large sums are being expended for electric light and power work in connection with Land Development operations. Details will be found under that classification.

Ark., Watts—Southwest Power Co., McAlester, Okla., will probably acquire 25-yr. franchise subject to ratification April 5.

Ark., Wilmot—Arkansas Light & Power Co., Pine Bluff, reported acquired Wilmot Light & Power Co.'s plant.

Florida—Florida Power & Light Co., 27 N. W. First St., Miami, subsidiary of American Power & Light Co., 71 Broadway, New York, will expand in 1926 \$20,000,000 for new construction; including 700 miles of high-voltage transmission lines and 2 entirely new steam electric generating stations having initial installed generating capacity 60,000 kw.; one to be Sanford on St. Johns River, and on New River near Fort Lauderdale; St. Johns River station is designed and is being partially built for an ultimate capacity 150,000 kw.; before close of year will have in operation 10,000 kw. unit in St. Johns River station and two units of 25,000 kw. each in Lauderdale station; both stations to be high-pressure steam turbine stations of modern type equipped to burn either coal or fuel oil; are adding double circuit to 66,000-volt transmission line; company now has under construction or is planning to construct this year about 700 miles of additional 66,000-volt transmission line, extending from Stuart on East Coast as far as St. Augustine and from point on East Coast will extend across the state through Okeechobee to Arcadia connecting at Arcadia with line on West Coast.\*

Fla., Boynton—Florida Power & Light Co., 27 N. W. First St., Miami, granted 30-yr. franchise.

Fla., Delray—City will probably sell electric lines, power plant and grant 20-yr. franchise to Florida Power & Light Co., 27 N. W. First St., Miami.

Fla., Fort Lauderdale—Florida Power & Light Co., 27 N. W. First St., Miami, granted 10-yr. water, electric light and sewer franchise.

Fla., Hastings—Hastings Power & Light Co., C. D. Littlefield, Mgr., will install 36 white way lighting units, approximately 8000 ft. cable.

In writing to parties mentioned in this department it will be of advantage to all concerned if the Manufacturers Record is mentioned.

## CONSTRUCTION DEPARTMENT

## Manufacturers Record

Fla., Micanopy—Town, J. Jas. Jones, Clk., will enlarge electric light plant.

Fla., Boca Raton—See Water Works.

Fla., St. Petersburg—Pinellas Power & Light Co., T. C. Irvin, Pres., reported to expand \$30,000 for sub-stations and transmission lines.

Ky., Paducah—Kentucky Utilities Co., Louisville, reported to begin construction of superpower line from Earlington to Paducah, distance of 70 miles.\*

La., New Iberia—Gulf Service Co. reported acquired New Iberia Electric Light & Water Works plant.

La., New Orleans—St. Bernard Police Jury granted 99 yr. gas and electric light franchise to Frank A. Reid, 71 Broadway, New York; acquired plants of Arabi Packing Co., St. Bernard St., and St. Bernard Growers' Ice & Mfg. Co. at Violet.

La., Opelousas—Alex. Grouchy, Triad Bldg., Baton Rouge, representing Louisiana Electric Co., Inc., will probably extend power line through Landry Parish.

Md., Cumberland—Potomac Edison Co., Frederick, applied to Public Service Comsn., Munsey Bldg., Baltimore, for permission to issue \$700,000 worth of preferred stock.

Md., Hagerstown—City, Charles E. Bowman, Mayor, reported to erect electric light plant.

Md., Salisbury—Eastern Shore Gas & Electric Co., N. Division St., S. R. Jones, Sec., will construct transmission line from Ocean City to Salisbury, construction by company's forces; materials purchased.\*

Miss., Centerville—City contemplates improvements to electric light and water works. Address The Mayor.

Miss., Yazoo City—Mississippi Power & Light Co., Jackson, acquired power and light plant.

North Carolina—Carolina Power & Light Co. will be formed by consolidation of Carolina Power & Light Co., Yadkin River Power Co., both Raleigh; Asheville Power & Light Co., Asheville; Pigeon River Power Co. and Carolina Power Co.; if stockholders approve plan, \$20,000,000 construction program will be undertaken, providing hydro-electric plant on Yadkin River, at Norwood site, ultimate capacity 85,000 kw., initial 63,000 kw. hydro-electric plant on Pigeon River, near Tennessee State line, 75,000 kw., ultimate capacity 50,000 kw. initial; erect new substations and large aggregate mileage high voltage transmission lines; Pigeon River Power Co. recently acquired North Carolina Electrical Power Co., Canton Electric Co. and other properties in Western North Carolina.

N. C., Highlands—Town has applied to Federal Power Comsn., Washington, D. C., for license for power project in Cullasagee River, Nantahala National Forest, Macon County, construct small concrete arch dam, pipe line and surge tank, power house and transmission line.

Okl., Cordell—City will install white way system. Address The Mayor.

Okl., Ripley—City granted electric light franchise to Oklahoma Gas & Electric Co.

Okl., Tonkawa—City will extend electric light and water lines. See Financial News—Bond Issues Proposed.

South Carolina—Broad River Power Co., Columbia, applied to Federal Power Comsn., Washington, D. C., for preliminary permit on Saluda River, 120-ft. concrete and masonry dam, develop 24,000 h.p. primary and 48,000 h.p. installed.

S. C., Old Fort—See Water Works.

Tenn., Riverview—Town will install electric light plant. See Financial News—Bond Issues Proposed.

Tenn., Whiteville—Jackson Railway & Light Co. granted 30-yr. electric light franchise; will construct 13,000-volt transmission line from Jackson to Whiteville with substation, water treating plant, system of pumps; expend \$20,000.

Tex., Bandera—T. W. North will install power plant.

Tex., Fredericksburg—W. G. Swenson, Abilene, acquired plant of Citizens Light & Power Co.

Tex., Goliad—Texas Central Power Co., San Antonio, acquired holdings of Goliad Supply Co.; will improve electric light and ice plants.

Tex., Nacogdoches—Texas Power & Light Co., Dallas, John W. Carpenter, Mgr., Interurban Bldg., applied for 50-yr. franchise; will probably acquire light and power plant.

Va., Clarksville—Roanoke River Power Co., Richmond, granted preliminary power permit or 1 yr. by Federal Power Comsn., Wash-

ington, D. C., for water power project on Roanoke River at Buggs Island; construct dam and power house; 50,000 h.p.

Va., Roanoke—Roanoke-Staunton River Power Co. granted preliminary permit by Federal Power Comsn., Washington, D. C., for power project on Roanoke River extending from mouth of Goose Creek to point 6 miles below; 15,000 h.p.

W. Va., Weston—West Penn Public Service Co. applied to Lewis County Court for franchise to erect and maintain transmission line.

## Flour, Feed and Meal Mills

Ga., Valdosta—See Lumber Enterprises.

## Foundry and Machine Plants

Ala., Birmingham—McWane Cast Iron Pipe Co., 3600 11th Ave. N., has permit for \$15,000 foundry.

Ga., Rome—Standard Stove & Range Co. capital \$85,000; R. N. Towers, acting Pres.; reported will erect plant on Alabama road, fireproof; grading for structure begun.\*

Md., Baltimore—Tanks—McNamara Brothers Co., Inc., Kloman Ave., will erect 100x71-ft. steel mill structure, estimated cost \$15,000; contract to be let in about month; Sandler & Wieman, Archts.

Mo., Kansas City—Plumbers' Supplies, etc.—A. Y. McDonald Manufacturing Co., capital \$50,000, incorporated; P. A. Williams, 1410 Union Ave.

Okla., Blackwell—Acme Foundry & Machine Co., capital \$40,000, incorporated; E. L. Graham, Coffeyville, Kan.; Don DeGeer, Blackwell.\*

Tenn., Chattanooga—United States Cast Iron Pipe & Foundry Co., main office Burlington, N. J., J. T. Giles, local Mgr., White-side St., reported acquired 35 acre site; will probably erect new plant.

Tenn., Knoxville—Knoxville Stove Works has permit for \$11,000 addition to warehouse on Allor Ave., 3 story, 60x60 ft., brick, frame and galvanized iron.

## Gas and Oil Enterprises

Ark., El Dorado—Crestline Oil & Gas Co., capital \$10,000, incorporated; Syd C. Reagan, E. W. Spain.

Ark., Moro—Central States Oil Corp., incorporated; R. L. Hartley, H. P. Baskin.

Fla., Clearwater—City contemplates improvements to gas plant. See Financial News—Bond Issues Proposed.

Fla., Sanford—City will repair gas plant. See Financial News—Bond Issues Proposed.

Fla., Sebring—Seminole Petroleum Corp., incorporated; J. Crawford, G. Swain.

Ky., Winchester—Kentucky Pipe Line Co. reported to be negotiating for purchase of properties of Central Kentucky Natural Gas Co., furnishing gas to Mt. Sterling, Winchester, Paris, Frankfort and Lexington.

Miss., Collins—Pan American Oil Co. will erect gasoline and storage tanks.

Mo., Joplin—Elspeth Oil & Royalty Co., capital \$50,000, incorporated; H. W. Blair, Court House Bldg.

N. C., Shelby—Gulf Refining Co., Dr. S. S. Royster, Local Distributor, reported to erect gas storage tanks, warehouse, office and other buildings.

Okla., Ponca City—Ranch Drive Gas Co., capital \$10,000, incorporated; George W. Miller, Ponca City; W. A. Brooks, Marland.

Tex., Amarillo—Apex Oil Corp., capital \$85,000, incorporated; C. M. Spurlock, H. S. Durham.

Tex., Coleman—Skelly Oil Co., Tulsa, acquired 3-acre site for erection of gasoline plant; V. B. Cull in charge of construction.

Tex., Coleman—Prairie Pipe Line Co. will construct pumping plant, 9 miles of 6-in. and 8 miles of 4-in. pipe line from Pioneer; build concrete dam.

Tex., Galveston—Causeway Oil Co., capital \$10,000, incorporated; E. O. Cone, 3928 M<sup>1</sup>/2 St.

Tex., Greenville—Lone Star Gas Co., 1915 Wood St., Dallas, reported to construct gas pipe line to Greenville through Garland, Rockwall and Royse City.

Tex., Greenville—Jos. F. Nichols, Sec.-Mgr., Chamber of Commerce, reported interested in establishment of natural gas plant.

Tex., Lockhart—Tulsa Drilling Co., capital \$10,000, incorporated; J. B. Ash, M. I. Ash.

Tex., Marshall—City granted franchise to W. S. Sedberry of Commercial Natural Gas Co. for supplying city with gas.

In writing to parties mentioned in this department it will be of advantage to all concerned if the Manufacturers Record is mentioned.

Va., Roanoke—Dixie Oil Co., capital \$10,000, incorporated; J. E. Boland, 616 Belleville Rd.

## Ice and Cold-Storage Plants

Ark., Marshall—Marshall Ice & Electric Co., H. W. Wright, Jr., Pres., let contract to M. M. Medley of Cotter, Ark., for 40x70-ft. plant, concrete and steel, concrete floors, steel roof, install \$45,000 equipment for 12-ton ice plant and storage rooms; W. F. Moody & Co., A. O. U. W. Bldg., Little Rock, Ark., furnished all ice and refrigerating machinery; Fairbanks, Morse & Co., Chicago, oil engines, pumps and all electrical equipment.\*

Fla., Lake Worth—New Electric Ice Co. of Lake Worth, P. G. Acton, Mgr., Dixie Highway and Twenty-eighth St., building \$30,000 plant, 59 ft. 6 in. x 117 ft. x 15<sup>1</sup>/<sub>2</sub> ft., concrete floors, wood roof, Van Guilder System walls; install \$60,000 equipment; daily output 60 tons; construction by owners; portion of machinery furnished by Arctic Ice Machinery Co., Canton, Ohio. (See Machinery Wanted—Generator Set; Steel Windows; Filter; Doors.)\*

Fla., Lantana—United Ice Co., capital \$100,000, incorporated; J. E. Clark, G. A. Zeller.

Fla., Miami—Florida Ice Refrigeration Co. has permit for \$30,000 plant at 21 N. W. Forty-third St., 2 story, reinforced concrete building.

Ky., Bowling Green—Kentucky-Tennessee Light & Power Co., Henry Fitch, Pres., acquired ice and cold storage plants at Bowling and at Glasgow; will improve and operate.

Ky., Bowling Green—Phillips Transfer Co. acquired rights of Top Miller Ice & Coal Co.

La., Baton Rouge—Baton Rouge Ice Co., James E. Egan, Mgr., reported merged with Louisiana Ice and Utilities Co.; improvements will probably include erection of 3-story cold storage warehouse adjacent to present plant on Repentance St. and Louisiana Ave.

La., New Orleans—Gulf Ice Co., Inc., capital \$50,000, chartered; Edw. Oswald Jewell, Pres., 414 Carondelet St.

Miss., Meridian—Tutt Ice Co., Inc., capital \$50,000, incorporated; J. B. Tutt, D. A. Clark.

Miss., Wesson—City Ice & Fuel Co. incorporated; E. F. Anderson, W. T. Glymer.

Miss., Hattiesburg—Firm Ice & Fuel Co., capital \$200,000, incorporated; C. Z. Stevens, F. G. Austin.

Miss., Natchez—The Natchez Ice Co., L. C. Ritter, Mgr., Wall St., making improvements and adding new unit.

Mo., Kennett—Arkansas-Missouri Power Co., Blytheville, Ark., reported to erect ice plant.

N. C., Chimney Rock—F. D. Burge, of Burge & Stevens, Archts., 101 Marietta St., Atlanta, Ga., making plans for 10-ton capacity ice plant for Lake Lure townsite.

Okla., Drumright—Badger Ice Co., Pat Badger, Prop., will expend \$10,000 on improvements to plant.

Tex., Abilene—O. D. Dillingham will erect \$15,000 ice plant, 1 story, 60x80 ft., brick and tile, fireproof; David S. Castle, Archt., 701 Laexander Bldg.

Tex., Alice—Texas Central Power Co. will expand about \$20,000 enlarging ice plant.

Tex., San Antonio—Southern Ice Co. let contract to J. C. Ferguson, 116 E. Cincinnati Ave., at \$10,632 to construct four ice stations, located at Westfall and Hackberry Sts., Zarzamora and Castroville Sts., Gevers and Kayton Sts., Hackberry and Dashiel Sts.; all 1-story, brick and concrete; Jno. M. Marriott, Archt., 306 Frost Bldg.

Va., Richmond—Commonwealth Ice Co. changed name from York Laundry & Ice Manufacturing Co., W. E. Wood, Pres.

Va., Wytheville—Wytheville Crystal Ice Co., Inc., capital \$50,000, chartered; R. L. Pierce, Pres.; J. M. Blessing.

## Iron and Steel Plants

N. C., Asheville—Joseph Dave, Supt., S. Sternberg & Co., will erect \$200,000 steel fabricating plant, monthly capacity about 500 to 600 tons; surveys begun; company's own Contractors and Engineers.

## Land Development

Ala., Birmingham—City, R. S. Marshall, Supt., Parks & Recreation Board, will develop 4<sup>1</sup>/<sub>2</sub> acres for park; construct wading pool, shelter building, lawn development; Kessler & Schlinger, 1601 Empire Bldg., Landscape Archt.

Ala., Gadsden—Etowah Masonic Homes, D. C. Springfield, Pres., will develop 12 acres for amusement park and swimming pool; install street and walks, electric pumps and motor for pump to supply a 2 in. pipe line of water with a 30 ft. lift; will let contracts in about 2 weeks.\*

Ala., Tuscaloosa—Joe Sheppard reported acquired holdings of Henderson Land & Lumber Co.

Ark., DeQueen—American Southern Orchard Co., capital \$100,000, incorporated; John Henderson, John Elmer; are developing 600 acres for peach and pecan orchard.

Fla., Arcadia—D. Snelbaker, Woodstown, N. J., and associates acquired Riverside Terrace; will develop.

Fla., Boca Raton—See Water Works.

Fla., Boca Raton—George M. Newton, Inc., capital \$10,000, incorporated; G. M. Newton, T. V. Sullivan.

Fla., Bradenton—Bradenton-Manatee Terminal Co., Inc., W. L. Sheppard, Pres., acquired tract; will develop, fill in river, construct sea-wall.

Fla., Clearwater—Clearwater Shores, Inc., capital \$100,000, incorporated; J. D. Baskin, B. C. Bass.

Fla., Clearwater—City Commrs. will improve park on Clearwater Island; build bath house, pavilion.

Fla., Clearwater—City contemplates park improvements. See Financial News—Bond Issues Proposed.

Fla., Clermont—Keene Realty Co., capital \$50,000, incorporated; O. H. Keene, L. S. Fields.

Fla., Cocoa—Pine Ridge Development Co., capital \$25,000, incorporated; F. D. Baldwin, A. H. Smith.

Fla., Crescent City—United Realtors Corp., capital \$50,000, incorporated; C. M. Ackerman, H. A. Willer.

Fla., Daytona Beach—Honibloom Realty Co., capital \$10,000, incorporated; H. Bloom, J. J. Honing.

Fla., Daytona Beach—Christianity Holding Co., Cornelius Christianity, Pres., 120 Orange Ave., will develop 40 acres for subdivision at Holly Hill; install streets and sidewalks; A. D. Taylor, Landscape Archt., Woolworth Bldg., Orlando.\*

Fla., Daytona Beach—East Coast Sales & Development Co., capital \$40,000, incorporated; C. E. Campbell, 48 Lenox St.

Fla., Daytona Beach—Wilder Construction Co., capital \$25,000, incorporated; H. S. Wilder, 120 S. Palmetto St.

Fla., Gainesville—Realty Building Co., capital \$50,000, incorporated; J. F. Reddock, J. H. Parrish.

Fla., De Land—Heebner-Thomas Co. acquired 100 acres, develop subdivision.

Fla., Deland—Florida Pennsylvania Land Co., Inc., Philadelphia, Pa.; R. A. Bittong, Pres., 2007 Fairmount St.; will develop subdivision.

Fla., Fort Lauderdale—Dixie Park, Inc., capital \$10,000, incorporated; E. T. Hodges, R. N. Hodges.

Fla., Fort Myers—Frank Kellow interested in development of island playground and park on Caloosahatchee River.

Fla., Fort Myers—W. Candler Power of South Florida Realty Co. sold to New Jersey capitalists 80 acres land for development.

Fla., Fort Pierce—McNeill, Austin & McNeill are developing Aurora Heights subdivision, installing water, sewers, electric lights, roads.

Fla., Haines City—Horton-Russell Co., incorporated; L. S. Horton, J. A. Russell.

Fla., Jacksonville—Henry G. Hopkins, Inc., capital \$1,000, incorporated; H. G. Hopkins, Duval Bldg.

Fla., Jacksonville—Andrews Park Development Co., incorporated; G. C. Broomfield, J. O. Clark.

Fla., Jacksonville—Curtiss Properties, Inc., John A. Curtiss, Pres., will develop 40 acre subdivision; install water, storm and sanitary sewers, concrete gutters and curbs, asphalt street paving; street lighting; Geo. B. Hills Co., Constr. Engr., Liggett Bldg.; Phillip W. Foster, Landscape Archt., Jacksonville.\*

Fla., Jacksonville—Farris Realty Co., capital \$60,000, incorporated; S. E. Farris, R. E. Farris.

Fla., Key West—Coral Isle Investment Co., incorporated; J. J. Maher, J. L. Lester.

Fla., Key Largo—F. S. Sweeting, developer of Anglers Park, will construct electric light plant, streets, sidewalks.

Fla., Manatee—S. C. Miller, Inc., chartered; S. C. Miller, G. H. Jones.

Fla., Merritt's Island—D. G. Brossiter, 31 N. E. First St., Miami, and associates formed Journalista Properties, Inc.; will develop several hundred acres of ocean front land; Engineering Service Co., K. H. Barrow, Pres., is handling engineering work.

Fla., Miami—Chin Land Co., capital \$100,000, incorporated; C. Gordon, 185 S. E. 14th Ter.

Fla., Miami—J. C. H. Realty Co., W. E. Stalnaker, Sales Mgr., 116 N. E. 2d Ave., will develop golf course at Lake Glenada Woodslands.

Fla., Miami—Collier County Land Co., capital \$100,000, incorporated; L. Gordon, New Halcyon Arcade.

Fla., Orlando—L. M. Thomas, R. S. Heeber, both Philadelphia, Pa., acquired tract; will develop.

Fla., Orlando—Mayor L. M. Autrey acquired 35 acres of Lakes Formosa and Estelle, will develop; install streets, paved streets, sidewalks, landscaping.

Fla., Olympia—Olympia Holding Corp. acquired 5000 acres of beach and river front property, will develop.

Fla., Punta Gorda—Cleveland Land & Development Co., capital \$10,000, incorporated; W. F. Hegenmeyer, E. J. McCann.

Fla., Quincy—Lucien May Land Corp., capital \$10,000, incorporated; F. L. May, J. J. Love.

Fla., Sanford—R. C. Tisdale, Jr., Inc., capital \$30,000, incorporated; R. C. Tisdale.

Fla., Sanford—Lake Herndon Corp., capital \$500,000, incorporated; V. Shipp, K. Jay.

Fla., Sarasota—Belmont Realty Co., capital \$250,000, incorporated; W. H. Russell, M. J. Purcell.

Fla., St. Augustine—Riveria Development Co., incorporated; R. J. Bellew, M. D. Baer.

Fla., St. Augustine—Ridge Corp., capital \$25,000, incorporated; J. D. Thompson, 27 Locust St.

Fla., St. Augustine—Barcelona Beach Co., incorporated; A. E. Pilgrim, 151 Marine St.

Fla., St. Petersburg—Eagle Crest Development Co., 462 First Ave. N., is developing Eagle Crest subdivision, grade streets.

Fla., St. Petersburg—Morgan Realty Co., capital \$40,000, incorporated; W. R. Buchanan, A. J. Booth.

Fla., St. Petersburg—G. S. Gandy, 5th St. and Central Ave., acquired additional submerged lands connected with fills; will develop subdivision by draining, construct concrete walls around the fills 7 ft. above water; Raymond Concrete Pile Co., A. C. L. Pier, will supply piling; later plan duplicating Gandy bridge.

Fla., St. Petersburg—Tangerine Holding Co., incorporated; E. T. Laurent, S. H. Mann.

Fla., St. Petersburg—James P. Daves Co., B. F. Stephenson, Pres., will develop 65 acres for subdivision; construct fill, pavements, sewers, water, sidewalks; McCordie Construction Co., Contrs., 216 Beach Drive North.\*

Fla., Tallahassee—Withby Farm Co., capital \$20,000, incorporated; K. M. Goode, P. B. Goode.

Fla., Tampa—Tampa-Manhattan Development Co., capital \$100,000, incorporated; S. Neuwirth, 2008 Central Ave.

Fla., Tampa—A. J. Simms, Citrus Exchange Bldg., Kelly D. Jones, 7006 Nebraska Ave., and associates reported interested in organizing company with \$1,000,000 capital, develop subdivision.

Fla., Tampa—Buster Island Development Co., capital \$24,000, incorporated; V. Camp, G. L. Hume.

Fla., Tampa—Providence Realty Co., capital \$10,000, incorporated; E. E. Weiss, R. J. Duff.

Fla., Tampa—Beckwith & Whitaker, Inc., capital \$150,000, incorporated; W. H. Beckwith, S. Boulevard.

Fla., Tampa—J. C. Johnston Construction Co., incorporated; P. T. Jordan, W. F. S. Bldg.

Fla., Tarpon Springs—George Emanuel, J. N. Farmer and others reported acquired Anclote Key, on Anclote River; develop resort and subdivision, construct causeway.

Fla., West Palm Beach—James McMahon, Inc., capital \$100,000, incorporated; J. D. McMahon, G. W. White.

Fla., West Palm Beach—S. D. Morris & Co., capital \$25,000, incorporated; S. D. Morris, F. D. Morris.

Fla., West Palm Beach—T. D. Gunter, Inc., capital \$15,000, incorporated; T. D. Gunter, E. B. Donnell.

Fla., Atlanta—Ponder Realty Co., Grant Bldg., selling agents for Wey-Con Co., Inc.

developers of Cascade Heights, will install streets and sewers.

Fla., Augusta—Cedars Corp., capital \$20,000, incorporated; J. T. Plunkett, 1322 15th St.

Fla., Brunswick—Brunswick Bay Development Co., J. B. Cleveland, Candler Bldg., Atlanta, acquired Oak Grove Island tract of 1500 acres; will develop.

Fla., Quitman—J. E. Chace of Chace-Leuschner Co., Ocala, Fla., interested in development of McIntosh Park subdivision.

Fla., Statesboro—Lake View Country Club, B. B. Sorrier, Hinton Booth, will develop resort.

Fla., Waycross—E. J. Boyd will develop 20-acre pecan orchard.

La., Baton Rouge—Martin H. Manion, New Orleans; Augusta G. Pardue, Baton Rouge, will develop subdivision on Highland Road; construct streets, sidewalks, sewers.

La., Monroe—City will probably construct golf course at Forsyth St.; Will Atkinson, Commr., 209 N. Fourth St.

La., New Orleans—City, Acting Mayor, Arthur J. O'Keefe, interested in establishing playground and recreational center for Martin Behrman Memorial Park.

La., New Orleans—F. R. Graves, Inc., capital \$25,000, incorporated; Frank M. Graves, 1716 Soniat St.

La., New Orleans—Rozel Realty Co., incorporated; Louis E. Rabouin, 612 Gravier St.

La., New Orleans—Portage Realty, Inc., capital \$14,000, incorporated; Thad G. Stehle, 756 Louisiana Ave., Adam Wirth.

Md., Baltimore—Peerless Realty Co., 841 Equitable Bldg., capital \$50,000, incorporated; W. M. Jordan, John J. King.

Md., Baltimore—Cleveland R. Bealmeir, 16 E. Lexington St., will develop tract on North Ave. from Ashburton St. to Peck's Branch, also tract in Fairfield.

Md., Baltimore—Robert G. Merrick, 335 St. Paul Place, and associates reported acquired 18 acres on Timonium Rd.; will develop.

Miss., Pass Christian—W. G. Simpson, E. J. Adams reported acquired tract of land; will develop.

Miss., Gulfport—Perkins-Smith Realty Co., capital \$50,000, incorporated; P. R. Perkins, E. D. Smith.

Miss., Gulfport—Southern Holdings Co., capital \$50,000, incorporated; L. N. Dantzler, Tampa, Fla.; J. A. Parker, Gulfport.

Miss., Gulfport—Globe Realty Co., capital \$10,000, incorporated; J. N. Valentine, Gulfport; S. J. Reigh, Sheboygan, Wis.

Miss., Hattiesburg—J. B. Merkel and Ben S. Dever acquired 5265 acres; will develop.

Miss., Hattiesburg—Ben S. Dever, Hattiesburg and M. P. Bouslog, Gulfport, acquired 5265 acres in Forrest Country; will develop.

Miss., Vicksburg—Dyer Realty Co., Merchants Natl. Bank Bldg., acquired 40 acres on Jackson Road; will develop subdivision; Paul M. Polk, Civil Engr.

Mo., Kansas City—Bethany Falls Investment Co., incorporated; Leo M. Hickey, 4112 Genesee St.

Mo., Kansas City—O'Daniel-Theiss Realty Co., incorporated; Karl A. Huber, 384 Euclid St.

Mo., Piedmont—Mountain Lake Hunting & Fishing League, E. L. Reed, Treas., has had plans and surveys made by A. E. Lamb, Engr., Fredericktown, for development of resort for Mountain Lake and Blue Spring Lake.

Mo., St. Louis—Trampe Realty Co., capital \$10,000, incorporated; Julius O. Trampe, McLaren Station.

Mo., St. Louis—Central Investment Co., incorporated; John M. Wufing, 2011 S. Broadway.

Mo., St. Louis—Hartman Realty Co., increased capital, \$40,000 to \$125,000.

Mo., St. Louis—Hampton Investment Co., incorporated; W. H. Bush, 4 Amherst Ave.; F. P. Howden.

Mo., St. Louis—Marquette Realty Co., capital \$40,000, incorporated; B. E. Hamilton, 705 Wainwright Bldg.

Mo., St. Louis—Fourth Street Realty Co., capital \$20,000, incorporated; C. L. McDonald, 3508 Victor St.; A. W. Albrecht, 7100 Washington St.

Mo., St. Louis—Osage Country Club, 1317 Chemical Bldg., will develop 500 acres for residential section and country club; will install water, sewers, electric lights, roads and streets; Wm. H. Smith-Nelson Cunliff Co., Gen. Contr. and Constr. Engr., 107 N.

In writing to parties mentioned in this department it will be of advantage to all concerned if the Manufacturers Record is mentioned.

## CONSTRUCTION DEPARTMENT

Seventh St.; Franz Herding, Landscape Archt., 316 N. Eighth St., St. Louis, Mo.\*

Mo., St. Louis—Alger Realty Co., capital \$15,000, incorporated; Wm. B. Madden, Marshall St.

Mo., Kansas City—J. C. Nichols, 911 Commerce Bldg., acquired tract on Oak and Holmes Sts.; develop subdivision, install water, sewers, electric lights, roads and sidewalks.

Mo., St. Louis—Korte Realty & Loan Co., capital \$35,000, incorporated; John F. Hoehe, 4550 National Building.

N. C., Asheville—Reliance Investment Co., incorporated; Wm. E. Webb, Statesville; Jess G. Yates, Asheville.

N. C., Asheville—R. F. Holland Enterprises, Inc., capital \$100,000, incorporated; R. F. Holland, 79 Church St.

N. C., Asheville—Carolina Properties, Inc., Dr. Frederick L. Hunt, Haywood Bldg.; J. J. Corrigan, 132 Virginia Ave., Norwood Park, will develop 150 acre subdivision, expend \$1,500,000, install water, sewers, roads, electric lights, telephones, golf course.

N. C., Asheville—Patton Avenue Properties, Inc., capital \$85,000, incorporated; Wm. Ray Griffin, H. E. Grimes.

N. C., Asheville—Col. D. C. Collier, San Diego, Cal., and Benjamin Franklin Hotel, Philadelphia, Pa., president of syndicate acquired 12,000 acres overlooking Lake Tapao in Swain County; will develop subdivision, build highway, construct 4 miles of tunnel under mountain range for power purposes and water supply.

N. C., Asheville—E. M. Lowman, Martha Washington Park, Box 1384, will develop 2000 acres near Black Mountain; opens bids June 15 for lights, water, crushed stone, roads and sewerage. (See Machinery Wanted—Electric Lights; Water: Crushed Stone; Roads (Crushed Stone); Sewerage.)

N. C., Brevard—Brevard Development Co. is developing 700-acre subdivision; will install water, sewers, roads and streets, electric lights.

N. C., Charlotte—McClung-Marsh Co., capital \$100,000, incorporated; J. W. McClung, G. A. Marsh.

N. C., Charlotte—The Eastover Co., 108 Johnston Bldg., will develop 40 acres for subdivision; construct streets; Wilbur W. Smith, Constr. Engr., Commercial Bank Bldg.; E. S. Draper, Landscape Archt., Charlotte.

N. C., Black Mountain—Hegeman Investments, Inc., capital \$100,000, incorporated; A. A. Hegeman, Black Mountain; Mrs. Florence C. Martin, 106 Washington Rd., Asheville.

N. C., Charlotte—Frank E. Harlan, 328 S. Tryon St.; Lee Kinney, Kinney Bldg.; will develop subdivision.

N. C., Greensboro—Broadacres, Inc., acquired 40-acre tract on Groomtoon Rd.; develop subdivision.

N. C., Greensboro—R. E. Steele, 330 Asheboro St., and M. R. Banner, 762 Chestnut St., are developing 100-acre tract for playground and park, construct lake, beach, driveway, install electric light plant.

N. C., Hendersonville—Caswell Investment Co., capital \$10,000, incorporated; A. V. Edwards, Ninth Ave. W.

N. C., Highlands—Cullasaja Heights Land Co. engaged E. S. Draper, Landscape Archt. and Engr., 1516 E. Fourth St., Charlotte, to supervise landscape and engineering work for subdivision; J. C. Shockley, West Union, S. C., superintending surfacing and grading roads through property; F. R. Sweeney, Engr., Anderson, S. C.\*

N. C., Lexington—Lexington Real Estate Exchange, Inc., capital \$50,000, incorporated; W. F. Brinkley, B. C. Young.

N. C., Little Switzerland—Wild Acres Development Co., capital \$100,000, incorporated; Dr. Norwood G. Carroll, Nordell Hill, Raleigh.

N. C., Marion—Marion Development Co., capital \$150,000, incorporated; E. S. Draper, Charlotte; D. F. Giles, Marion.

N. C., New Bern—Morehead Bluffs, Inc., W. B. Blades, Pres., is developing 1250 acres at Morehead City for resort; let contract to W. C. Hodges, New Bern, for dredging; J. F. Mulligan Construction Co., North Wilkesboro, for grading; Simmons Construction Co., Charlotte, 11 E. Third St., for paving; New Bern Electric Co., New Bern, for electric system; will construct 12 miles paved streets and sidewalks, white way, two 18-hole golf courses, yacht harbor, etc.; Benton & Benton, Archt., Wilson; C. T. Schisler, Construction Engrs., Morehead City; Schisler & Clodfelter, Landscape Archt., Richmond, Va.

N. C., Raleigh—Lakeview Realty Co., capi-

tal \$100,000, incorporated; James M. Gray, Fair Ground Ave.

N. C., Shelby—Charles P. Wilkins, Brevard, C. P. White, Shelby, acquired tract on Highway No. 20; develop subdivision; install streets, sidewalks, water, sewers, electric lights.

N. C., Winston-Salem—L. C. Oakley, Woolworth Bldg., will develop 30-acre subdivision; let contract for grading and sidewalks.\*

Okla., Arapaho—Board of Trustees will establish tourist park.

Okla., Okanoma City—B. F. Christy, 1400 W. Tenth St., and W. T. Blume acquired 140 acres; will develop.

Okla., Oklahoma City—Alther R. Jarrett will develop 160 acres.

Okla., Sapulpa—City interested in development of park, 9-hole golf course, lake, dam, etc. Address The Mayor.

Okla., Tulsa—Robert R. Park Realty Co., capital \$75,000, incorporated; Robert R. Park, Mid-Continent Bldg.

S. C., Cowpens—Cowpens Land Co., incorporated; J. W. Brown, C. M. Sims.

S. C., Greenville—T. O. Lawton, Pres., Pioneer Life Insurance Co., Woodside Bldg., will develop 250-acre resort, construct lake, tennis courts, roads, dam, city water.

S. C., Mt. Pleasant—Seacoast Realty Co., incorporated; W. J. Knox, J. M. Royal.

Tenn., Johnson City—Geo. T. Wofford will develop country estate of 10 acres; construct swimming pool and tennis courts; Charles F. Lester, Landscape Archt., Empire Bldg., Knoxville.

Tenn., Knoxville—J. K. Craig will develop 36-acre subdivision; construct 2-acre lake, rock garden with series of pools; Charles F. Lester, Landscape Archt., Empire Bldg.

Tenn., Knoxville—Highland Memorial Cemetery Co., Kingston Park, increased capital \$50,000 to \$150,000.

Tenn., Maryville—Montvale Springs Co., Inc., C. W. Henderson, Jackson and Central Sts., Knoxville, are developing 2500-acre subdivision; install water works, roadways, amusement grounds, swimming pool, golf course, electric lights, sewers.

Tex., Amarillo—Lester Stone will develop 26,875 acres; plans not matured until August.\*

Tex., Beaumont—E. Conway Broun of E. Conway Broun Co., Perlstein Bldg., is developing Calder Terrace Addition; install water, sewers, roads and streets; W. F. Warfield, Houston, has contract for sidewalks and streets.

Tex., Corpus Christi—A. R. Shott, Cincinnati, O., will develop 56-acre subdivision; install water, sewers, electric lights.

Tex., Dallas—W. & B. Realty Co., capital \$50,000, incorporated; N. F. Wertheimer, 3031 1/2 Park Row.

Tex., Houston—Magnolia Park Investment Co., incorporated; Charles Dahl, 6812 Avenue C.

Tex., Houston—Varner Realty Co., care of J. E. Key, 708 Preston Ave., will receive bids April 1 for improvements to subdivision, including storm sewers, sanitary sewers, concrete curb and gutters, gas and water mains and electric wiring; Engineering Service Corp., 1805 Post Dispatch Bldg., Engrs.

Tex., Houston—San Jacinto Trust Co., A. R. Dearborn, Jr., Mgr., is developing Monticello subdivision; will install roads, sewers, water works, electric lights.

Tex., Houston—Winlow Place Co., B. W. Steele, Pres., 801 Public Natl. Bank Bldg., will develop subdivision.

Tex., San Antonio—City Realty & Loan Co., 317 1/2 W. Commerce St., increased capital \$5000 to \$500,000.

Va., Harrisonburg—Homelands Corp. acquired 200 acres land; develop subdivision.

Va., Jarratt—Jarratt Realty Co., capital \$10,000, incorporated; J. H. Batte, J. M. Browder.

Va., Norfolk—Lee Umberger of Wytheville acquired 85 acres on Broad Bay; develop subdivision.

Va., Richmond—Richmond Beach Corp., P. R. Turner, Sec., let contract to C. J. Selvage, 305 S. Mulberry St., Richmond, for construction work at pleasure park near Tappahannock; erect pavilion, boardwalk, amusement buildings.

Va., Roanoke—R. A. Poff, Terry Bldg.; J. E. Wood, Mountain Trust Bldg., acquired 6000 acres, including Fort Lewis Mountain; develop subdivision.

Va., Parkersburg—Parkersburg Home Site Co., capital \$75,000, incorporated; Harvey Marsh, Citizens Bank Bldg., Parkersburg.

In writing to parties mentioned in this department it will be of advantage to all concerned if the Manufacturers Record is mentioned.

## Manufacturers Record

## Lumber Enterprises

Ark., Fort Smith—Mansfield Lumber Co., G. C. Packard, Wheeler Ave., will rebuild lumber sheds, burned at loss of \$35,000.

Ga., Quitman—South Georgia Lumber Co. will rebuild planing mill and dry kiln, burned at loss of \$50,000.

Ga., Valdosta—J. N. Bray Lumber Co. will begin construction of plant addition, also contemplates building grist mill, cane syrup mill and sweet potato curing house; plans include developing about 12,000 acres cut-over lands in corn sugar, sugar cane and potatoes.\*

La., Glenmora—Louisiana Sawmill Co. let contract to Thrall & Shea, 314 Pujo St., Lake Charles, to rebuild burned lumber sheds.

Miss., Canton—Dealers' Lumber Co., capital \$50,000, incorporated; Paul F. Allen, Hattiesburg; J. H. Wright, High Point.

Miss., Meridian—Chidlow Lumber Co., capital \$20,000, incorporated; F. B. Chidlow, E. H. Walker.

Tenn., Humboldt—F. E. Bond of Jackson acquired plant and buildings of J. A. Pearce Lumber Co.; will operate as F. E. Bond Lumber Co.

Tenn., Knoxville—D. M. Rose Lumber Co. S. Knoxville St., will expend \$250,000 on plant improvements; will convert power to electric system, build 10 new dry kilns, three of which are under construction, new power plant, flooring mill, warehouse and new trackage and tram platforms throughout yard; capacity of kilns will be 500,000 ft. daily.

Tex., Bastrop—T. J. Williams and J. W. Bracken acquired 15,000 acres timber land; will develop, build sawmill, etc.

Tex., Huntsville—W. P. Wallace Lumber Co., capital \$75,000, incorporated; W. P. Wallace, C. T. Millhollen.

Tex., Jefferson—Ware & Driskell acquired 5400 acres timber land in Marion County, began construction saw-mill, daily capacity from 25,000 to 50,000 ft.

West Virginia—Logan Planing Mill Co. of Logan acquired timber rights of 5000 acres in Logan County; involves about 30,000,000 ft. hard wood timber.

## Metal-Working Plants

Mo., St. Louis—Carl Foerster & Son Sheet Metal Co., 4109 W. Green Lea Place, capital \$10,000, incorporated; Herbert J. Foerster.

## Mining

Fla., Miami—Rock & Sand Sales Co., capital \$50,000, incorporated; T. E. Turner, 207 Greenway Dr., Coral Gables.

Fla., Tampa—Tampa Sand & Material Co., Incorporated; J. L. Cone, River Terrace.

Kentucky—Sam J. Debord and W. R. Forman of Ashland, Ky., acquired full control of Pilot Knob Sand & Gravel Co., Inc.; property located in Powell and Montgomery Counties; will develop.

Mo., Neelys Landing—Barrett Lime Quarries, Inc., chartered; Oscar F. Barrett, operates stone quarry.

N. C., Franklin—Franklin Mineral Products Co., capital \$100,000, incorporated; John Davenport, C. C. West.

Okla., Miami—Pioneer Lead & Zinc Co., T. W. Clelland, Sec., will probably rebuild 300-ton capacity mill, burned at loss of \$75,000.

## Miscellaneous Construction

Ala., Mobile—Pier—Docks Comsn., Wm. L. Sibert, Pres., will receive bids probably about April 15 for construction of pier No. 1.\*

Fla., Coral Gables—Lake—Robert G. Lassiter Co., 227 Hahn Bldg., Miami, has contract and begun excavation of artificial lake in Riviera Gardens (suburb) to be known as Coral Lake, 1600 ft. long, 20 ft. deep; and later probably connect with Biscayne Bay; build 10-ft. walk to encircle lake.

Fla., Fort Lauderdale—City contemplates river and harbor improvements. Address City Clerk. See Financial News—Bond Issues proposed.

Fla., Hialeah—Incinerator—City will construct \$25,000 incinerator. Address City Clerk. See Financial News—Bond Issues Proposed.

Fla., Jacksonville—Boardwalk, etc.—Geo. B. Hills Co., Engrs., Box 1145, advises proposed bulkhead and boardwalk improvement is entirely tentative.\*

Fla., Miami—Bulkhead, etc.—Ernest Cotton, Director of Public Works, advises have only tentative plans at present for proposed Terminal Island in Biscayne Bay; city is

building new bulkhead and fill known as Causeway Wharf; all steel sheet piling purchased.\*

Fla., Miami—Mausoleum—Woodlawn Park Cemetery Co. reported will erect \$1,000,000 mausoleum in Woodlawn Park Cemetery; concrete construction, marble facing and interior, tile roof, bronze doors; capacity 60 private rooms, 500 crypts; Sidney Lovell, Archt., 224 E. Ontario St., Chicago, Ill.

Fla., Palatka—Docks—City acquired additional 150 ft. river frontage; let contract to Palatka Boat & Construction Co. for docks; first unit to be platform 360x82 ft., steel warehouse 300x71 ft., railroad track and 10-foot apron; contemplated \$250,000 bond issue for development of entire waterfront.\*

Fla., Sanford—Bulkhead, etc.—City will expend \$400,000 for bulkhead work, \$100,000 for municipal swimming pool, also construct ship basin on lake shore for river boats. Address City Clerk. See Financial News—Bond Issues Proposed.\*

Fla., St. Petersburg—Seawalls—See Land Development.

Fla., Vero Beach—Bulkhead, etc.—Vero Beach-Detroit Co., Stanley C. Wilson, Asst. Gen. Mgr., Vero Del Mar Hotel, having plans by Carter & Damerow, Constr. Engrs., for filling on shore and island, 1,025,000 cu. yds. and creosoted timber bulkhead for the above, 30,500 ft.; specifications being drafted.

Fla., West Palm Beach—Work has been progressing for Lake Worth Inlet Project for past 12 months under contract with Waldeck-Dredging Co., 832 N. W. 12th Court, Miami, for 16 ft. project; present bond issue of \$3,350,000 provides for 24 ft. project, together with sufficient terminal facilities, warehouses, etc.; let contract to James McMahon for placing 25,000 tons of jetty granite on jetties, and probably let contract later for completion of jetties to extend to 30 ft. contour in the ocean; will use approximately 75,000 to 100,000 tons jetty granite for completion of work; Gen. George W. Goethals, 40 Wall St., New York, retained as Const. Engr. and will have complete charge of engineering work in 24 ft. project.\*

Md., Baltimore—City will construct swimming pool at Gwynns Falls Park, 70x70 ft., concrete basin, estimated cost \$15,000; Geo. Leroy Nichols, Gen. Supt. Parks.

Miss., Gulfport—Seawall—Harrison County Commrs. has \$1,400,000 available for completion of seawall along beach front between Pass Christian and Biloxi. See Financial News—Bond Issues Proposed.\*

Miss., Pass Christian—Pier—City, Dr. J. A. Spence, Mayor, contemplates building \$15,000 public pier.

N. C., Shelby—Henderson Mountain Lakes Co., O. Max Gardner, Pres., will construct combination 60-ft. concrete dam and bridge and earth fill; W. N. Willis, Engr., Spartanburg, S. C., receiving bids.

N. C., Wilmington—Wharfage—City contemplates providing wharfage for steamers and sailing vessel at old Liberty shipyard. Address City Clerk. See Financial News—Bond Issues Proposed.

Tex., Alpine—Swimming Pool—Cas Edwards let contract to Henry Weyerts of Alpine for 30x150-ft. outdoor swimming pool, reinforced concrete with heating, purifying and filtering devices and pumping machinery; Alpine Lumber Co. furnishing lumber; R. A. McMurry, plumbing; work begun.\*

Tex., Dallas—Swimming Pool—City let contract to R. J. Estep & Co., 903 Praetorian Bldg., for \$61,000 swimming pool; Southern Ornamental Iron Co., 2425 S. Harwood St., for equipment and materials; Sartoris Bros., 506 Exposition St., for plumbing; Electric Construction Co., 1715 Live Oak St., for electric work; W. Blintz, Designer, Lansing, Mich.\*

Tex., Quanah—Elevator—W. P. Thomas, of Vernon reported acquired grain elevator of T. L. Hugston; will operate.

Va., Danville—Incinerator—City let contract to Nye Odorless Crematory Co., Georgia Life Bldg., Macon, Ga., at \$55,000, for incinerator.\*

### Miscellaneous Enterprises

Ala., Jasper—Jasper Advertiser, Carbon Hill Index and Oakman News-Telegram consolidated; Irving A. Dove, Owner and Publisher.

Ala., Mobile—Frederick L. Thompson, Publisher of The Register and News-Item, reported acquired site cor. St. Louis and St. Joseph Sts.; will probably erect new building.

Ark., Little Rock—City contemplates enlarging fire fighting equipment. Address City Clerk.

Ark., Little Rock—Joseph Glick Co. contemplates building \$100,000 laundry and cleaning plant.

Ark., Stuttgart—The Arkansas Rice Growers Co-operative Assn., reported, purchase all rice milling properties of Stuttgart Rice Milling Co., consisting of mills A and B at Stuttgart and mill C at DeWitt; in addition operating mill at Wheatley under lease.

Florida—Southern Baking Company, Geo. P. Wadsworth, Vice-Pres. and Gen. Mgr., Charlotte, N. C., will erect four large bakeries, one at Daytona Beach, costing about Palm Beach; company's New York office, 2 Park Row; McCormick & Co., Archts., 41 Park Row, New York City.

Fla., Clewiston—Plumbing Supplies, etc.—Clewiston Building Material Co., capital \$75,000, incorporated; F. L. Williamson, C. L. McDavit.

Fla., Daytona Beach—Eli Witt Co., 312 S. Palmetto St., will erect \$18,000 building on Wisconsin Place, 1 story, 68x70 ft., with foundation to carry additional stories; brick and hollow tile, concrete floors; F. D. Gheen, Archt.

Fla., Delray—Delray Hardware Co., capital \$10,000, incorporated; O. B. Lunderman, R. Webb.

Fla., Fernandina—F. W. Sadler, Bon Air Beach, Olympia, Fla., acquired 2 buildings on the Amelia River and Seaboard Railway, 150x50 ft. and 80x50 ft.; will convert into factory buildings.

Fla., Fort Myers—Johnson-McGill Construction Co., capital \$25,000, incorporated; H. H. Johnson, A. R. McGill.

Fla., Fort Myers—Building Materials—Jenkins-Burt Gravel Co., capital \$10,000, incorporated; E. M. Jenkins, H. Burt.

Fla., Hollywood—Casa El Jeanne Apartment Co., capital \$25,000, incorporated; R. N. Young, D. Jacobson.

Fla., Jacksonville—Mayonnaise, etc.—Aunt Almira's Products Co., Wm. C. Wears, Pres., Burlington, Vt., reported establish plant in Fairfield industrial zone; acquired 60x100-ft. site; estimated cost \$15,000.

Fla., Jacksonville—Naval Stores—Florence Perry Co., capital \$10,000, incorporated; F. M. Perry, C. P. Sawyer.

Fla., Jacksonville—Jacksonville Tallow Co., capital \$20,000, incorporated; D. M. Pratt, 3012 Walnut St.

Fla., Jacksonville—Fairyland Amusement Co., capital \$500,000, incorporated; C. H. Williams, 1000 Ninth St. S.

Fla., Jasper—Jasper Hotel Corp., capital \$10,000, incorporated; I. J. McCall, F. B. Harrell.

Tex., Marshall—Southern Creameries Co. of Texarkana, Peter Hargrove, Mgr., erect ice cream manufacturing plant, 50x100 ft., brick and concrete.

Fla., Miami—Airkool Spark Plug Co., 252 N. W. Twenty-ninth St., has permit for \$35,000 addition, 2 story.

Fla., Miami—Sheet Asphalt—The Highway Construction Co., I. Horvitz, Sec., 1215 Guaranty Title Bldg., Cleveland, Ohio, will erect steel building, install boilers, motors, mixers, stone pulverizers for manufacture of sheet asphalt; daily output 10,000 sq. yds.; construction by owners. (See Machinery Wanted—Stone Pulverizers; Rails and Track Fittings.)

Fla., Miami—Biscayne Tent & Awning Co., capital \$100,000, reincorporated; C. T. Hoffman, 62 W. Flagler St.

Fla., Miami—Building Materials—Highlands Construction Corp., capital \$30,000, incorporated; M. H. Shoemaker, 305 N. E. First St.

Fla., Okeechobee—Construction—Rogers & Duncanson, Inc., capital \$10,000, incorporated; E. M. Rogers, J. E. Duncanson.

Fla., Orlando—Mount Plymouth Hotel Corp., capital \$200,000, incorporated; H. C. Dann, San Juan Hotel Bldg.

Fla., Orlando—Paints—Safety Paints & Products Co., capital \$520,000, incorporated; M. O. Overstreet, 5 Rosalind Ave.

Fla., Palatka—Palatka Publishing Co., incorporated; C. C. Codrington, M. M. Vick-

Fla., Quincy—NuGrape Bottling Co., Inc., chartered; E. L. Millrons, L. R. White.

Fla., Sanford—Hutton Construction Co., capital \$100,000, incorporated; V. Shipp, N. V. Eubanks.

Fla., Sarasota—Building Materials—Fire Proof Materials Co., capital \$100,000, incorporated; A. B. Edwards, L. R. Cornell.

Fla., Sebring—Delco Light Products—Ridge Electric Co. incorporated; W. C. Myers, Pres.; J. W. Shanklin, Sec.

Fla., St. Petersburg—Florida Mutual Build-

ing Co., Inc., capital \$1,200,000, chartered; W. S. Serviss, 201 Seventy-seventh St. N.

Fla., St. Petersburg—Hart Concrete Construction Co., capital \$10,000, chartered; J. H. Lodwick, 75 Fifteenth Ave. S.

Fla., St. Petersburg—Patio Amusement Corp., capital \$50,000, chartered; F. H. Custer, Fourth St. S. and Broadway.

Fla., Stuart—Steamship Line—Stuart Steamship Co., capital \$125,000, organized; Charles F. Hoel, Sec., Asbury Park, N. J.; establish freight line between New York and Stuart.

Fla., Tallahassee—American Steel Co. incorporated; G. Zeller, M. O. Grady.

Fla., Tallahassee—Quarterman Electric Corp., capital \$10,000, incorporated; A. M. Quarterman, L. A. Tatum.

Fla., Tampa—Parkview Hotel, Inc., capital \$300,000, chartered; C. L. Allen, S. L. Stein.

Fla., Tampa—Building Materials—Peninsular Brick & Tile Co. incorporated; T. J. Lowe, C. B. Adams.

Fla., Umatilla—J. A. Osborne reported acquired the Umatilla Tribune; will publish.

Fla., West Palm Beach—Building Materials—John A. Jarrell, Inc., capital \$10,000, chartered; J. A. Jarrell, T. E. Lipscomb.

Fla., Williston—Thomas Rooks Road Material Co., capital \$25,000, incorporated; M. M. Thomas, F. J. Rooks.

Fla., Jesup—Jesup Sentinel Publishing Co., S. E. Kallenbaugh, Editor, will remodel and re-equip plant.

Fla., Valdosta—Star Laundry, B. T. Bentley, Mgr., 104 S. Lee St., contemplates building 1-story, 75x125-ft. laundry; hollow tile.

Fla., Valdosta—See Lumber Enterprises.

Fla., Valdosta—Westinghouse Electric & Manufacturing Co., East Pittsburgh, Pa., let contracts for branch plant of George Cutler Co., estimated cost \$85,000 to \$90,000; will manufacture hollow spun concrete lighting standards; work to begin immediately; have acquired 5-acre site; machinery ready for installation upon completion of buildings.\*

Fla., Winder—Overalls—Winder Manufacturing Co. erecting new building on E. Midland Ave., approximately 40,000 sq. ft. floor space; contract awarded.

La., Arcadia—The Democrat Publishing Co., Inc., capital \$20,000, chartered; B. F. Barrette, Geo. P. Bush.

La., Crowley—Baudoin Planting Co., Inc., capital \$75,000, chartered; L. M. Simon, Nell Simon.

La., Monroe—Merchandise—Dollar & Brown, Inc., capital \$20,000, chartered; J. C. Dollar, 1810 St. John St.

La., New Orleans—Sugar Cane—Laurel Valley Planting & Manufacturing Co., Inc., capital \$25,000, chartered; Morris P. LeCompte, Pres., 616 Canal Commercial Bldg.

La., New Orleans—Construction—Real Homes, Inc., capital \$20,000, chartered; Burdette A. Russ, 3900 Louisiana Ave. Pkwy.

La., New Orleans—Chemicals, etc.—Bing Manufacturing Corp., Inc., chartered; Ben Shoefield, 821 St. Louis St.

La., New Orleans—New Orleans Lithographing Co., Inc., capital \$15,000, chartered; Otto W. Weisgerber, Tull D. Carter.

La., Shreveport—Albert Autrey, 72 Hope St., let contract to Garson Brothers, Majestic Bldg., for 1 story, laundry building on Greenwood Rd., 50x175 ft., concrete foundation, metal roof, concrete and wood floors; have finished drilling well to supply water.\*

La., Plaquemine—Dehydrating—Sherburne Industries, Inc., capital \$800,000, chartered; Henry N. Sherburne, O. C. Romer.

Md., Baltimore—National Warehouse Co., 9 E. Barre St., capital \$100,000, chartered; Morris Schapiro, John D. Roney.

Md., Baltimore—Electric Repairs—American Electric Co. of Baltimore, 2109 Garrison Blvd., capital \$30,000, incorporated; Oden L. Mulcahy, A. C. Van Tassel.

Md., Baltimore—Moving-Picture Machines—Century Holding Co., Inc., 18 W. Lexington St., chartered; J. Herbert Whitehurst, J. Leiper Winslow.

Md., Baltimore—Hauswalds Bakery Co., 2816 Edmondson Ave., let contract to Adam Kratz, 118 S. Carrollton Ave., for \$75,000 plant at 2816 Edmondson Ave.; 3-story, 75x100-ft., brick; John Freund, Archt., 1307 St. Paul St.

Md., Baltimore—Traffic Signals—Traffic Coms., Clarence W. Miles, Chrm., has approximately \$35,000 to expend for traffic signals; will probably install system on Baltimore St. between Holliday and Eutaw.

## CONSTRUCTION DEPARTMENT

## Manufacturers Record

Miss., Gulfport—Gulfport Laundry & Cleaning Co. let contract to E. E. Bradley, Laurel, Miss., at \$19,500 for 1-story laundry building; Shaw & Woleben, Archts.\*

Miss., Hattiesburg—Brophy Automatic Air Dog Corp., capital \$30,000, chartered; J. O. Brophy, M. C. Arrington.

Miss., Jackson—Mississippi Bedding Co., R. L. Ezell, Pres., 527 Commerce St., increased capital, \$20,000 to \$50,000.

Miss., Jackson—Paint, etc.—Dixie Gasoline Co., capital \$25,000, incorporated; P. K. Lutkin, 510 Euclid St.

Miss., Poplarville—Contracting—Moody & Stewart Co., capital \$10,000, incorporated; Clarence Moody, J. Otho Stewart.

Mo., Kansas City—Stock Yards Drug Store Co., capital \$20,000, incorporated; R. M. Ward, 1603 W. Sixteenth St.

Mo., Kansas City—Golden Rule Cleaners & Dyers, Inc., capital \$10,000, chartered; Fred. J. White, 1307 Federal Reserve Bank Bldg.

Mo., Kansas City—Contracting—Harry White, Inc., capital \$10,000, chartered; C. P. Lemire, 2049 Main St.

Mo., Kansas City—B.-G. Sandwich Chops, Inc., capital \$51,000, chartered; W. F. Woodruff, 1606 Main St.

Mo., Sedalia—Pettis County Mercantile Co., capital \$10,000, incorporated; W. E. Driskell, N. Prospect St.; W. R. Jacobs, 517 E. Tenth St.

Mo., St. Joseph—The Gazette Publishing Co., capital \$250,000, incorporated; M. M. Levand, Frank M. Lowe.

Mo., St. Joseph—Max M. Levand reported acquired the St. Joseph Gazette; will publish.

Mo., St. Louis—George Cuter Co., W. J. Leighner, Works Mgr., advises contract let and work under way for 82x475-ft. building, consisting of two 40-ft. bays; B. H. Prack, Archt. and Engr., 119 Federal St. Pittsburgh, Pa.; manufacture "Hollowspun Concrete Lighting Standards."\*

Mo., St. Louis—Building Materials—Centropolis Land & Rock Co., incorporated; J. A. Tobin, 4172 Eaton St.

Mo., St. Louis—Supreme Roofing Corp., chartered; T. Connors, 4308 Prairie St.

Mo., St. Louis—Western Food Products Corp., capital \$15,000,000 chartered; Clarence C. Cushing, Jr., 219 Plant St.

Mo., St. Louis—Motion Picture Machinery—American Silversheet Co., capital \$12,500, incorporated; Horace C. Woods, 3966 De Tonty St.

Mo., St. Louis—H-A-S Coffee Co., capital \$15,000, incorporated; H. A. Schnittker, 2731 Lelone Ct.

Mo., St. Louis—Manhattan Laundry Co., incorporated; Herman M. Feinstein, 5840 Ridge Ave.

Mo., St. Louis—Saint Louis Daily News, capital \$300,000, incorporated; Joseph Goldman, 2909 Thomas St.

Mo., St. Louis—Tyrrell Brushes, Inc., chartered; Clyde B. Tyrrell, 5001 Southerland St.

Mo., St. Louis—Clothing—Newman-Witzleben Tailors, Inc., chartered; Geo. Lambert Newman, 7458 Teasdale St.

Mo., St. Louis—Drayage—Schwartzman Service, Inc., capital \$50,000, chartered; Walter L. Brady, 602 Commercial Bldg.

Mo., St. Louis—Exact Food Products Co., capital \$10,000, incorporated; Jesse A. Wolfert, Federal Commerce Trust Bldg.

Mo., St. Louis—Inks, etc.—Joseph F. Kelly, Inc., capital \$30,000, chartered; Joseph F. Kelly, 3023 Allen St.

N. C., Asheville—Asheville Title & Abstract Co., capital \$100,000, incorporated; J. J. Goldstein, 47 Hill St.; J. Henry Aronson.

N. C., Charlotte—A. M. Smith, Hotel Halsey, 319 Datura St., West Palm Beach, Fla., interested in establishing plant to manufacture men's and boys' caps.

N. C., Durham—Johnson-Prevost Dry Cleaning Co., 417 W. Main St., let contract to T. B. Johnson, Oakwood Heights, for 30x52-ft. plant at 1106 Broad St., brick and cement; concrete and wood floors; install washers, tumblers, motors, shafting and hangers, etc. (See Machinery Wanted—Dry Cleaning Plant Equipment; Motor.)\*

N. C., Farmville—Mercantile—Tyson-Lang Co., capital \$25,000, incorporated; T. W. Lang, V. A. Tyson.

N. C., Greensboro—Dolly Madison Apart-

ments, Inc., capital \$200,000, chartered; E. E. Gillespie, Jefferson Bldg.

N. C., Greensboro—Monarch Machine & Manufacturing Co., capital \$100,000, incorporated; C. H. Lewis, W. C. Boren.

N. C., Hendersonville—Hendersonville Electric Co., capital \$25,000, incorporated; Paul A. Jackson, Sixth Ave. W.; Claude F. Sanders.

N. C., Hendersonville—Building Supplies—Hendersonville Supply & Coal Co., capital \$100,000, incorporated; Gilbert H. Morris, 63 Macon Ave., Asheville; E. F. Latt, Hendersonville.

N. C., High Point—Mercantile—High Point Hub, Inc., capital \$50,000, chartered; Lewis Harris, Sam Schavitz.

N. C., High Point—Craven Construction Co., capital \$100,000, incorporated; O. A. Craven, Thomas Turner, Jr.

N. C., Mount Gilead—Smith Ferry Co., incorporated; P. R. Rankin, V. P. Scarboro.

N. C., Wilmington—American Bakeries Co., 121 S. Front St., acquired present building; will remodel and improve, increasing capacity.

N. C., Winston-Salem—The Soyars Transfer Co., capital \$50,000, incorporated; Hoke S. Baggs, Brantley St.

Okla., Oklahoma City—Automatic Lubricating Oil Equipment Co., capital \$50,000, incorporated; W. H. Peaden, Dallas, Tex.; A. C. Neel, Norman.

Okla., Oklahoma City—Pioneer Paper Box Co., capital \$50,000, incorporated; Harry C. Herndon, 231 N. Poplar St.

Okla., Tulsa—Mark J. Perrott Funeral Home & Mortuary, capital \$20,000, incorporated; Mark J. Perrott, 1415 S. Peoria.

Okla., Tulsa—Rexall Cafeteria Co., incorporated; S. B. Ware, Kate Roberts.

Tenn., Chattanooga—Terrell Electric Co., capital \$50,000, incorporated; John Stagmaler, 519 E. Fourth St.

Tenn., Fountain City—W. E. Cooper, 325 W. Clinch St., Knoxville, will erect 2 factories, machine shop, etc., in connection with development of 20-acre site, Greenway and Beverly Avenue Pike.

Tenn., Knoxville—Handy Construction & Transfer Co., capital \$10,000, incorporated; William Moore, R. T. Frank.

Tex., Amarillo—Metzger Bros., Holmes St. Rd., Dallas, Tex., contemplates building \$50,000 creamery, 1-story, brick, site purchased.

Tex., Amarillo—The Refinery Equipment Co., capital \$10,000, incorporated; Reece Allen, Gordon West.

Tex., Angleton—Angleton Fig Co., Frank K. Stevens, Sec., will enlarge plant; double capacity.\*

Tex., Dallas—Southwestern Engraving Co., 1007½ Elm St., increased capital, \$12,000 to \$18,000.

Tex., Dallas—Electric Appliance Co., capital \$150,000, incorporated; M. E. Martin, 1620 Kingshighway.

Tex., Dallas—Printers—The Pilot Co., incorporated; J. B. Cranfill, Wilson Bldg.

Tex., Dallas—The Joseph Lay Co., H. J. Lay, Pres.-Mgr., Portland, Ind., has buildings; installing broom-making machinery, daily output 200 doz.\*

Tex., Dallas—Harvester Life Insurance Co., capital \$125,000, incorporated; Geo. W. Janionick, Jr., Pres., Johns Drive.

Tex., Dallas—Publishing—A. H. Belo & Co. of Dallas reorganized; Geo. B. Dealey, Pres., 3704 Alice Circle; publishes the Dallas Morning News, Dallas Journal, Dallas Semi-Weekly Farm News and Texas Almanac.

Tex., Dallas—Bakers' Supplies, etc.—Aschner Bros. Manufacturing Co., 1310 Patterson Ave., let contract to Trinity Construction Co., 1320 Masonic St., at \$20,385 for building; to J. M. Johnson & Co., 508 N. Arkard St., for wiring; Lang & Witchell, Archts., 300 American Exchange Bank Bldg.

Tex., Dallas—Phoenix Construction Co. increased capital, \$30,000 to \$100,000.

Tex., Dallas—Jackson's Model Laundry, Inc., capital \$15,000, chartered; John Jackson, 1912 Allen St.; T. A. Manning.

Tex., Eagle Lake—Lake Side Irrigation Co., capital \$100,000, incorporated; A. J. Wintermann, August Dippel.

Tex., El Paso—Southwestern Hide & Fur Co., capital \$10,000, incorporated; Joseph B. Smith, First Natl. Bank Bldg.

Tex., Houston—Crescent Carbonate Co., capital \$10,000, incorporated; W. S. Bickford, R. C. Baldwin.

Tex., Houston—Fashion Garment Manufacturing Corp., R. H. Langdon, Pres., Dooley Bldg., capital \$20,000, manufacture men's and boys' trousers, etc.

Tex., Houston—Houston Tannery & Leather Products Co. will establish plant on Wallisville Rd. to manufacture leather products; first unit reported to cost approximately \$450,000; acquired 20-acre site.

Tex., Houston—Etheridge Process Corp., 534 W. Thirty-third St., capital \$10,000, chartered; F. C. Morcom; manufacture metal-covering specialties.

Tex., Houston—Bankers Supply Co., capital \$15,000, incorporated; Maurice Hirsch, Goggan Bldg.

Tex., Kerrville—Kerrville Amusement Co., capital \$75,000, incorporated; Bart Moore, Jr. A. C. Schreiner.

Tex., Mineral Wells—Diamond Furniture Polish Co., capital \$30,000, incorporated; J. N. Armstrong, W. O. Chapman.

Tex., Nacogdoches—Banana Steam Laundry, F. Murphy, Mgr., let contract for \$20,000 laundry.

Tex., Orange—Sabine Packing Co., capital \$20,000, incorporated; H. Stark, A. G. Wilkins; has completely equipped abattoir and packing plant.

Tex., San Antonio—Candy—Dueler Manufacturing Co., Camp St., will erect 6-story and basement factory, brick and reinforced concrete, 60,000 sq. ft. floor space; receives bids about April 1; Herff & Jones, care of San Antonio Loan & Trust Co.

Tex., San Antonio—Gunter Hotel Co., capital \$1,000,000, incorporated; T. B. Baker, E. M. Baker.

Tex., San Antonio—Blackboards—Southwestern Seating Co., 818 S. Presa St., let contract to A. E. Rheiner & Co., Builders Exchange Bldg., at \$10,000 for 1-story, 50x150 ft. building; hollow tile, reinforced concrete frame, cement floor, tar and gravel roof, concrete foundation; Phelps & Dewees, Archts., Gunter Office Bldg. (See Machinery Wanted —Asbestos Board.)

Tex., San Antonio—Golden Glow Root Beer Co., incorporated; Eugene Nolte, Jr.

Tex., San Jose—Sanatorium—J. E. Terrell Wells, Inc., capital \$20,000, chartered; H. E. Stumberg, C. W. Adams.

Tex., San Marcos—Mission Provision Co. has permit for \$27,000 abattoir.

Va., Cumberland—The Central Virginia Publishing Co., G. A. Dunjee, Sec., establish new plant, install cylinder press, cutter, stands, racks, cases, galleys, furniture, job and body type, etc. (See Machinery Wanted—Printing Plant Equipment.)\*

Va., Danville—Shoe Craft, Inc., capital \$10,000, chartered; F. W. Townes, Jr., 169 Virginia Ave.; J. P. Whedbee.

Va., Gate City—Undertaker—McConnell's, Inc., capital \$10,000, chartered; E. T. and L. S. McConnell.

Va., Boydton—Shoes, etc.—R. B. Jones & Co., capital \$10,000, incorporated; R. B. Jones, F. C. Bedinger.

Va., Lexington—Harlow's Print Shop, capital \$15,000, incorporated; F. W. Houston, B. F. Harlow.

Va., Norfolk—Cudahy Packing Co., 111 W. Monroe St., Chicago, Ill., has under construction new plant at 223 Tazewell St., 2-story, 84x102 ft. brick, install all sanitary appointments; modern smokehouses, ham-boiling departments, automatic refrigerating system to supply 8 coolers, capacity 15 carloads; J. Goodfellow, Constr. Engr.; E. C. Dewissen, local Mgr.

Va., Reedville—Palmer Menhaden Products Corp., capital \$4,000,000, chartered; John A. Palmer, Jr.; establish fish industry along Atlantic coast between Hatteras and Sandy Hook.

Va., Richmond—Doyle & Russell, Garce American Bldg., has contract for \$150,000 addition to Everett Waddey Printing Co.'s plant on E. Main St., 7-story, 50x125 ft.; Carnel & Johnston, Archts., 806 Electric Bldg.\*

Va., Richmond—Sampson Paint & Color Co., Inc., 1413 E. Main St., F. J. Sampson, Pres., organized; changed name from Tanner Paint & Oil Co.

Va., Winchester—Crystal Confectionery, Inc., capital \$50,000, chartered; John Semperes, Steven Yeatras.

W. Va., Belle—C. Marshall Taylor, Gen. Mgr., Sharples Solvents Corp., Twenty-third and Westmoreland Sts., Philadelphia, Pa., advises leased ground to build factory and laboratory to manufacture amyl alcohol; will require several months to erect buildings and install machinery; E. H. Badger & Sons Co., Engr., Boston, Mass.\*

W. Va., Buckhannon—Photographers Supplies—Cutright-Sharps Co., capital \$10,000, incorporated; I. G. Cutright, F. M. Farnsworth.

W. Va., Clarksburg—Clarksburg Dairy Co., J. Wesley Law, Mgr., 230 Court St., has plans for \$30,000 plant on Hewes St., 50x70 ft., reinforced concrete, concrete floors, install \$10,000 equipment; E. J. Wood & Son, Archt., Lowndes Bldg.\*

W. Va., Fairmont—The Full Cut Underwear Co., Wm. Abrams, Pres., New York, establish factory to make men's athletic underwear; machinery all purchased.

W. Va., Parkersburg—Pure Ice-Cream Co., capital \$50,000, incorporated; C. L. Allender, 1445 21st St.

### Motor Bus Lines and Terminals

Fla., St. Petersburg—City Comsn. let contract to Roy Dew, Inc., 3d St. and 3d Ave. S., for six motor buses, six cylinder Yellow Coach type, estimated cost \$50,950.

Ga., Columbus—Columbus Electric & Power Co., R. M. Harding, Mgr., purchased ten 21-passenger buses, cost approximately \$50,000; purchase made through Kyle Bros. Automobile Co., 1445 First Ave.

N. C., Marshall—Madison Bus Co., capital \$25,000, incorporated; Frank Roberts, McKinley Ramsey.

N. C., Mount Airy—Granite City Bus Co., capital \$25,000, incorporated; E. C. Ashby, C. M. Whitlock.

N. C., Newton—Bost Transfer Co., Earl Bost, Owner, acquired two 21-passenger buses; will operate between Charlotte and Hickory.

Tex., Brownsville—City Comsn. granted permit to W. H. Ward to operate bus system.

Tex., Dallas—Red Ball Bus Terminal, incorporated; J. F. Lockmiller, A. W. Riter.

### Motor Cars, Garages, Filling Stations

Fla., Arcadia—Automobiles—Harley Watson, Inc., capital \$50,000, chartered; H. Watson, E. R. Watson.

Fla., Bonifay—Solomon Motor Co. will probably erect building within six months.\*

Fla., Jacksonville—Automobile Supplies—Consolidated Automotive Co., incorporated; C. B. Loop, 2145 Laura St.

Fla., New Smyrna—Shappell & Weller, Archt., Box 1658, making plans for \$10,000 filling station, 1 story, 60x50 ft., tile and concrete, composition roof, concrete floors; receive bids April 1. (See Machinery Wanted—Flooring; Hollow Tile.)

Fla., New Smyrna—Raymond Green, Daytona, will erect \$20,000 garage, 1 story, 50x145 ft., steel, tile, concrete built-up roof concrete floors concrete foundation, hollow tile, metal doors, steel sash and trim, wire glass, ventilators, terra cotta trim; Shappell & Weller, Archt., Box 1658, New Smyrna; receive bids April 1. (See Machinery Wanted—Ventilators; Tile (Interior and Hollow); Metal Doors; Steel Sash and Trim; Wire Glass; Terra Cotta Trim.)

Fla., Sarasota—D. S. Rollins has permit for \$12,000 storage garage on Ninth and Goodrich.

Fla., Tampa—Ferman Motor Car Co., Inc., 407 Jackson St., let contract to B. F. Walker & Sons, 23 Knight Bldg., at \$125,000 for 4-story, 100x100 ft. building, brick, hollow tile and steel, wood floors; install \$25,000 equipment; Leo M. Elliott, Archt., Hall Bldg., St. Petersburg.\*

Ky., Louisville—E. L. Martin will rebuild burned structure at 420 W. Main St., occupied by Southern Taxi Co.\*

Ky., Paducah—Sam H. Dreyfuss Automobile Co., Sam H. Dreyfuss, Pres., let contract to J. W. Lockwood & Son, 312 Kentucky Ave., for automobile building on Broadway and High St., 93x126 ft. site; fireproof construction; W. Bryan Rouse, Archt., Lenox Bldg.; work begun.

La., New Orleans—Walter Cook Keenan, Archt., Liverpool & London & Globe Bldg., receiving sub-contract bids on cement floors, plate glass windows, tile floors, electric wiring, steel columns and beams, painting, sheet metal work in connection with alterations to 2-story building at 823 St. Charles St. for Crescent City Garage.

Miss., Greenville—246 Service Station, capital \$50,000, incorporated; J. B. Isenberg, Wm. Payne.

Miss., Magee—Magee Motor Co., incorporated; J. P. Fields, A. A. Bush.

Mo., Columbia—The Alton Automobile Co. will erect building adjoining present garage.

Mo., Marshall—Aero Motor Sales, Inc., capital \$15,000, chartered; Russell Nicholas, Howard Beazley.

Mo., Rolla—Rolla Chevrolet Co., capital

\$10,000, incorporated; Rowe E. Carney, C. M. Knapp.

Mo., St. Louis—Chevrolet Motor Co., Union and Nat. Bridge, has permit for \$10,000 loading docks from present building at 3809 N. Union St., 22x335 ft.; Wright & Nice, Archts., General Motors Bldg., Detroit, Mich.

Mo., St. Louis—Brahm-Mitchellette Motor Co., capital \$15,000, incorporated; L. F. Brahm, T. Mitchellette.

N. C., Asheville—Hendon Motor Co., capital \$50,000, incorporated; J. T. Hendon, J. V. Bultman.

N. C., Elizabethtown—Citizens Motor Co., capital \$10,000, incorporated; N. L. Tatum, H. M. Clark.

N. C., Lenoir—Phillips Motor Co., capital \$100,000, incorporated; T. J. Phillips, H. W. Link.

N. C., Winston-Salem—Stowe's Garage, Inc., chartered; J. H. Barnes, 2434 N. Liberty St.

Okla., Bristow—The Hough Motor Co., capital \$10,000, incorporated; L. A. Hough, Beisewert; Charles W. Wortman, Tulsa.

Okla., Skiatook—Skiatook Auto Sales Co., capital \$10,000, incorporated; Loren D. Waters, W. M. Harrison.

Tenn., Chattanooga—Cherokee Service Station, capital \$50,000, incorporated; Sam A. Hawk, Martin Road.

Tenn., Knoxville—C. M. McClung, W. Jackson Ave., has permit for \$14,000 garage, steel and brick; Gervin & Gervin, Contrs.; work begun.

Tenn., Memphis—E. C. Newman Tire Co. changed name from Seven Fifteen Tire & Vulcanizing Co., incorporated; E. C. Newman, 635 Marshall St.

Tenn., Tallulah—Bower Motor Co. will erect 50x350-ft. building.

Tex., Austin—Hagner Tire Stores, Inc., chartered; F. H. Hagner, H. H. Manes.

Tex., Harrisburg—Milby Automobile Co., Inc., increased capital, \$25,000 to \$50,000.

Tex., Houston—Shelor Motor Co., Texas and Louisiana Aves., increased capital, \$100,000 to \$150,000.

Tex., Johnson City—Roy L. Thomas, Archt., Littlefield Bldg., Austin, Tex., receiving bids for service, sales and filling station for Cox Bros. 1-story, 80x100-ft., tile, plate glass front, concrete floor, tin roof; install \$2500 equipment.\*

Tex., Omaha—Farrier & May Motor Co., incorporated; W. G. Farrier, G. L. May.

Tex., San Antonio—Quick Battery Service, Inc., chartered; F. W. Bitter, Norman Cohen.

Tex., Sherman—E. B. Caraway has contract for new building on E. Jones St., to be occupied by Shipp Motor Co., and also remodel building now occupied by Willard Battery Service Station; plans by John Tulloch.

Va., Alexandria—Nash-Ajax Sales Corp., capital \$25,000, chartered; Robt. L. Goods, Sr., Mozelle V. Dienelt.

Va., Falls Church—Moses Motor Co., Inc., chartered; Harry A. Fellows, E. S. Haskell.

Va., Rural Retreat—City Garage, Inc., capital \$15,000, chartered; R. H. Kinder, H. J. Greer.

W. Va., Wheeling—Central Motor Corp., let contract to R. R. Kitchen & Co., 37 Nineteenth St., for building at 907 Market St.

### Railways

Mo., Trenton—Chicago, Rock Island & Pacific Railway, it is reported, will build 33 mi. of new line between Trenton and Kansas City. C. A. Morse, Chicago, Ill., is Ch. Engr.

Okla., Page—Oklahoma & Rich Mountain Railroad Co., it is reported, has been authorized by the Interstate Commerce Commission to build a line from the Kansas City Southern Railroad at Page, southwest, to connect with the Frisco System at Talihina, Okla., 35 mi. at an estimated cost of about \$136,000.

Okla., Pawhuska—Construction reported begun on Santa Fe cutoff from Fairfax to Pawhuska, Okla., 32 mi.; Sharp & Fellows Construction Co. of Los Angeles, Calif., general contractors with A. J. Gannon in charge, L. G. Harris and R. L. McDaniel, Engrs.

### Roads, Streets and Paving

Large sums are being expended for roads, streets and paving in connection with Land Development operations. Details will be found under that classification.

#### Proposed Construction

Ala., Alabama City—City plans street from paved highway between Alabama City and

Atchala to old Elliott Park property. Address City Clerk.

Ala., Birmingham—City Comn., A. J. Hawkins, Engr., plans expending \$94,470 for grading, paving, sidewalks, etc.

Ala., Mobile—Eastern Shore Boulevard Assn., J. V. McIntosh, Pres., Fairhope, Ala., interested in building boulevard on eastern shore Mobile, from eastern terminus of bridge to Gulf of Mexico.

Ala., Tuscaloosa—Tuscaloosa County Board of Revenue plans improving and building 2 roads and bridge: Improve road from Elrod down Sipsey River and merge into Columbia road; build over Malone Creek; build 1 1/2 mi. road from Forest Lake road east.

Ala., Tuscaloosa—City plans sidewalks, combination curbs, gutters, etc., in Shirley Mason subdivision, Main St. North. Address City Clerk.

Ark., Marshall—Searcy County, Z. V. Ferguson, County Judge, plans highway from Leslie to Booster, Shady Grove and Murillo, connecting with Marshall-Witts Springs Highway.

Ark., Mountain Home—State Highway Dept., Little Rock, plans road from Mountain Home to Norfolk, Baxter County.

D. C., Washington—Dist. Comrs. receive bids Mar. 19 for about 54,400 cu. yds. grading; plans on file at Room 427 Dist. Bldg.

Fla., Boca Raton—City contemplates expending \$275,000 to extend and improve streets. Address City Clk. See Financial News—Bond Issues Proposed.

Fla., Fort Lauderdale—City, B. J. Horne, Mgr., plans street paving. See Financial News—Bond Issues Proposed.

Fla., Gainesville—Alachua County Board of Bond Trustees, Special Road and Bridge Dist. No. 1, W. R. Thomas, Chmn., receives bids Apr. 6 for 156,800 sq. yds. surface treatment, Dist. No. 4; plans from Henry L. Baker, Dist. Engr.

Fla., Hialeah—City plans expending \$200,000 for paving, curbs and sidewalks. Address City Clk. See Financial News—Bond Issues Proposed.

Fla., Kissimmee—Osceola County Comrs. receive bids Mar. 20 for road paving.

Fla., Lake Helen—City, W. W. Finn, Clk., contemplates street paving; J. P. Mace, Mayor. See Financial News—Bond Issues Proposed.

Fla., Manatee—City plans 10-mi. street paving. Address City Engrs. Webb and Orebaugh.

Fla., Micanopy—Town, J. Jas. Jones, Clk., plans street paving, cost \$50,000.

Fla., Miami—City, F. H. Wharton, Mgr., plans widening N. Miami Ave. to 70-ft. boulevard from N. Thirty-sixth to Seventy-ninth Sts.

Fla., Miami—City, F. H. Wharton, Mgr., approved plans to widen and pave Coral Way, from S. W. Third Ave. to Coral Gables.

Fla., Miami—City, F. H. Wharton, Mgr., plans opening S. E. Third and Fourth St., Miami, to S. E. First Ave.

Fla., Pensacola—City, J. H. Bayliss, Mayor, plans several additional miles street paving.

Fla., Vernon—Washington County Comrs. receive bids Mar. 20 to build 4 roads, hard surface present highways and build bridges.

Ga., Baxley—Appling County Comrs. plan paving 2 roads and improving lateral roads: From Appling County line to Bacon County line, Jeff Davis County line to Wayne County line. See Financial News—Bond Issues Proposed.\*

Ga., Cartersville—Bartow County Comrs. and State Highway Comrs., East Point, plan completing grading Dixie Highway, Cassville to Gordon County line, and Kingston to Floyd County line.

Ga., Marietta—State Highway Comn., East Point and Cobb County Comrs. plan paving 5 mi. Dixie Highway, Marietta to Kennesaw: E. M. Arnold, Dlv. Highway Engr.

Ga., McRae—Telfair County, M. A. Cameron, Clk. of Court, plans 2 state roads and bridge: Bee Line route to Florida, Jeff Davis Highway; cost \$325,000. See Financial News—Bond Issues Proposed.\*

Ga., Perry—Houston County Comrs. of Roads and Revenues plan paving roads and building bridges; cost \$200,000. See Financial News—Bond Issues Proposed.\*

Ga., Rome—City Comn., G. P. Weathers, Chmn., receives bids Mar. 26 for about 20,000 sq. yds. concrete, brick or asphalt paving, 2500 lin. ft. curb and gutter, 4800 cu. yd. excavation; plans from Robert & Co., Inc., Atlanta.

Ga., Savannah—Chatham County Comrs. plan hard surfacing Burkhalter road and

In writing to parties mentioned in this department it will be of advantage to all concerned if the Manufacturers Record is mentioned.

Girard Ave. from White Bluff to Ogeechee road; W. F. Brown, County Engr.

Ky., Lawrenceburg—Anderson County Commrs. plan road building, cost \$250,000. See Financial News—Bond Issues Proposed.

Ky., Owensboro—State Highway Comm., Frankfort, receives bids Apr. 12 to grade and drain 5.8 mi. road from end of road at Maceo to end of asphalt at Pate Station.

La., Breaux Bridge—City plans street improvement. Address City Clerk.

La., Natchitoches—Louisian Highway Comm., Baton Rouge, receives bids Apr. 13 to build and furnish gravel for 5.12 mi. Natchitoches-Boyce Highway from 1 mi. north of Montrose through Montrose to Derry; plans on file; W. B. Robert, State Highway Engr.

Md., Baltimore—Board of Awards receives bids Mar. 24 to grade, curb and pave streets in Contr. No. 317, 18,500 sq. yd. sheet asphalt; No. 318, 9080 sq. yd. sheet asphalt; No. 319, 12,400 sq. yd. cement concrete; plans on file; Howard W. Jackson, Mayor; Steuart Purcell, Highways Engr.

Md., Baltimore—Board of Awards received low bid from American Paving & Contracting Co., Montebello Ave. and Jenkins Lane, to grade, curb and pave with 12,200 sq. yd. sheet asphalt, streets in Contr. No. 310 and 7150 sq. yd. sheet asphalt in Contr. No. 311; from Arundel Construction Co., Knickerbocker Bldg., for 6300 sq. yd. cement concrete, Contr. No. 312, and 4160 sq. yd. cement concrete, Contr. No. 313; Steuart Purcell, Highways Engr.\*

Md., Towson—Baltimore County Commrs., John R. Haut, Ch. Clk., receive bids March 23 to improve 5 roads: .65 mi. concrete, Graystone Road, end of concrete to Old York Road; .12 mi. concrete Old York Road, Graystone Road south; .24 mi. concrete Old York Road, Graystone Road north; .25 mi. concrete Middleton Road, end of concrete to beginning of macadam; .77 mi. concrete Middletown Road, end of macadam north; plans from Samuel A. Green, Roads Engr.

Miss., Ackerman—Choctaw County Board of Supvrs. plan 2 roads: Connect with Federal highway at Oktibbeha County line, through county to Attala County line, through Ackerman and Weir; from Winston County line, through Ackerman, to connect with Federal aid road at Big Black River, between Webster and Choctaw Counties.

Miss., Biloxi—Board of Commrs. receives bids Mar. 25 for 23,288 sq. yds. sidewalks, 55,383 sq. yds. sheet asphalt surfacing and asphaltic concrete, 5-in. concrete base; 19,865 cu. yds. excavation; plans from Hawkins & Madding, Consil. Engrs., Biloxi and Gulfport.

Miss., Laurel—City plans widening Front St., between Oak and Fifth. Address City Clerk.

Miss., Pascagoula—Jackson County Board of Supvrs. plans paving Back Bay road from Ocean Springs to Biloxi; also bridge across Bay of Biloxi at Ocean Springs; cost \$184,000. See Financial News—Bond Issues Proposed.

Mo., Bonnville—City plans paving McRoberts St., West St to Santa Fe Trail. Address City Clerk.

Mo., Doniphan—Ripley County, Only Dist., plans road improvement, cost \$10,000. Address County Commrs. See Financial News—Bond Issues Proposed.

Mo., Independence—Jackson County Court plans improving north and south road from Lone Jack on south to Levasy on north; contemplates hard surfacing road from Meeklin Church to Levasy; from Sni Mills to State Highway No. 12, Lone Jack; Leo E. Koehler, County Highway Engr.

Mo., Salisbury—City plans expending \$80,000 for street paving. Address City Clk.

Mo., Springfield—City plans widening Patton Ave., Walnut to McDaniel. Address City Clerk.

Mo., St. Louis—Board of Public Service receives bids Mar. 30 to improve Jefferson Ave. and rebuild Tenth St., Park to Allen Ave.; plans on file.

Mo., St. Louis—Board of Public Service receives bids Apr. 6 to rebuild 11 streets, including Lindell Blvd., Spring Ave. to Kingshighway Blvd.; estimated cost \$202,000.

Mo., St. Louis—Board of Public Service lets contract Apr. 13 to pave 13 streets, with Warrenite bitulithic, amiesite, Portland cement concrete, asphaltic cement, bitulithic, asphalt; approximate cost \$260,000.

N. C., Asheville—City, John H. Cathey, Mayor, plans street improvement, cost \$500,000. See Financial News—Bond Issues Proposed.

N. C., Greensboro—City, P. C. Painter, Mgr., contemplates widening Eugene St. between West Market and Gaston St.

N. C., Lexington—State Highway Dept., Raleigh, plans building Catchinete road through Davidson County.

N. C., Sylvan—Board of Aldermen, Dan Tompkins, Mayor, receives bids Mar. 23 for 40,000 sq. yds. asphalt, concrete or other pavement, with excavation, curb, gutter, storm water drains, sidewalks; plans from B. H. Cathey, Clk., and Gilbert C. White Co., Engr., Five Points, Durham, and 48 College St., Asheville, N. C.

Okl., Durant—City receives bids soon for 1½ mi. concrete paving. Address City Clk.

S. C., Dillon—Dillon County Commrs. plan highway building, cost \$500,000. See Financial News—Bond Issues Proposed.

S. C., Georgetown—Georgetown County Commrs. plan 8-mi. road, from Horry County line to Hagely road, connecting Waccamaw Ferry and Pawley's Island.

S. C., Greenville—State Highway Comm., Columbia, received low bid from Slattery & Henry Co., Mills Bldg., at about \$35,000 for 1.25 mi. State Route No. 20, Travelers Rest to intersection Tigerville road.\*

S. C., Laurens—Laurens County Commrs. plan paving Highway No. 2 across county from Fountain Inn, on Greenville County line, to Newberry County line, cost \$650,000. See Financial News—Bond Issues Proposed.

S. C., Moncks Corner—Berkeley County plans road building, cost \$24,000. Address County Commrs. See Financial News—Bond Issues Proposed.

S. C., Spartanburg—City Council approved plans to widen Magnolia St. 10 ft., from Wooford St. to railway property.

S. C., Spartanburg—City, Luther K. Brice, Street and Park Commr., plans paving 13 streets; cost \$227,000; D. G. Adams, City Engr.

Tenn., Chattanooga—City, E. D. Bass, Commr. of Streets and Sewers, receives bids Mar. 25 to pave 12 streets with cement concrete, sheet asphalt and asphaltic concrete; F. K. Rosamond, City Treas.\*

Tenn., Etowah—Board of Commrs., N. G. Dixon, Commr. of Streets, receives bids Mar. 18 for 9,008 yds. grading, 30,642 sq. yd. paving, 16,060 lin. ft. curb in Street Improvement Dists. No. 17, 18 and 19; plans from City Recorder, Library Bldg.

Tenn., Knoxville—City, Alexander Harris, Director of Public Service, receives bids Mar. 31 for about 10 mi. concrete and asphalt-concrete paving, and several thousand lin. ft. sidewalks, curbs and gutters.

Tenn., Knoxville—City, Alexander Harris, Director of Public Works, plans 10-mi. additional paved streets. See Financial News—Bond Issues Proposed.

Texas—State Highway Dept., Hal Moseley Chmn., Austin, received low bids for 3 roads: Ellis County, 4.19 mi. grading and drainage, Highway No. 6, Culver Service & Jones, Sulphur Springs, \$20,365; .866 mi. grading and drainage, Highway No. 34, L. D. Everett, McKenney, \$13,054; Panola County, 6.472 mi. Highway No. 8, Chas. Epps, San Augustine, \$59,159.\*

Tex., Abilene—Taylor County, Carlos D. Speck, County Judge, receives bids Apr. 14, tentative date, for 5.74 mi. grading and bridges, State Highway No. 1, Abilene, to Callahan County line; L. L. McCannies, Res. Engr.

Tex., Alice—Jim Wells County, R. R. Mullen, County Judge, plans 4 roads: 14.3 mi. 18-ft. bituminous macadam, Highway No. 12, Neches River to Sta. 774 plus 00, estimated cost \$234,000; 13.7 mi. 18-ft. bituminous macadam, Highway No. 12, from point 1 ½ mi. south of Alfred to point 3 ½ mi. south of Alice, estimated cost \$282,500; 16,098 mi. 18-ft. bituminous macadam, Highway No. 12, from end of Federal Aid Project 429-F to point near Ella, estimated cost \$315,700; 5.93 mi. bituminous macadam, Highway No. 12-A, from point near Neches County line to intersection at Federal Aid Project 429-F, estimated cost \$124,000; F. E. Hess, Engr.

Tex., Baird—Callahan County, Victor B. Gilbert, County Judge, receives bids Apr. 13, tentative date, for 2 roads: Grading and bridges on 3.2 mi. Highway No. 23, Eastland County line to Shackelford County line, estimated cost \$66,000; 8.39 mi. bituminous macadam surface Highway No. 1, estimated cost \$150,000; T. H. Webb, County Engr.

Tex., Brownsville—Cameron County, Oscar C. Dancy, County Judge, receives bids Apr. 16 for 24.412 mi. grading and bridges, Highway No. 100, Pt. Isabel-Barreda road, from intersection State Highway No. 12 to Point Isabel; W. O. Washington, County Engr.

Tex., Carthage—Panola County, Thos. Boren, County Judge, plans 4.11 mi. grading and bridges, Highway No. 43, estimated cost \$28,000; D. E. Martin, County Engr.

Tex., Cleburne—City, Jerrine Hughes, Sec., receives bids Mar. 19 for 124,000 ft. asphalt top on concrete base paving, 40,900 sq. yd. asphalt, 21,300 lin. ft. curb and gutter, 11,700 cu. yd. excavation; C. H. Teesdale, Engr., Box 121, Cleburne.\*

Tex., Crockett—State Highway Comm., Hal Moseley, Chmn., Austin, receives bids Mar. 22 for 7,068 mi. grading and 3 bridges over 2-ft. spans on Highway No. 19 and 9.15 mi. grading on Highway No. 19, Houston County; W. P. Kemper, Acting State Highway Engr.; F. J. Von Zuben, County Engr.

Tex., Eastland—Eastland County, E. S. Pritchard, County Judge, receives bids Apr. 12, tentative date, to grade and bridge 2 roads: 3.63 mi. Highway No. 23, north from Cisco, approximate cost \$140,000; 3.2 mi. Highway No. 23, from Callahan County line south; Geo. E. Franklin, Div. Engr.\*

Tex., Grand Prairie—City, G. Harry Turner, Mayor, received low bid from Percy S. Campbell, 6818 Campbell Ave., Dallas, at about \$21,940 for 9000 yd. concrete paving, 2660 lin. ft. curb and gutter.\*

Tex., Henrietta—State Highway Comm., Hal Moseley, Chmn., Austin, received low bid from Thurber Construction Co., F. & M. Bldg., Fort Worth, for 2 roads: 14.03 mi. reinforced concrete, Highway No. 5, at \$340,811; 19.49 mi. concrete, Highway No. 50, \$480,650.\*

Tex., Hereford—City, Grace Skelton, Sec., receives bids Mar. 23 for 43,430 sq. yd. brick, asphalt or concrete pavement; 22,975 lin. ft. combined curb and gutter; plans from Montgomery & Ward, Consil. Engrs., City Nat'l Bank Bldg., Wichita Falls.\*

Tex., Houston—City, O. F. Holcombe, Mayor, received low bid from Scott Shamberg, 1401 Dowling St., at \$12,678 for rock asphalt paving on Hazard St.; plans permanent paving on Harrisburg Blvd., Preston Ave. Tunnel to Milby St.; J. C. McVea, City Engr.

Tex., Houston—Harris County, Chester H. Bryan, County Judge, receives bids Mar. 22 to improve 3 roads: 6 mi. inverted penetration surface treatment Seabrook Loup; gravel Alfie-Clodine and Hillendahl-Pinek and Post Oak road; Howe & Wise, Engrs., 816 First National Bank Bldg., Houston; H. L. Washburn, County Auditor.

Tex., Houston—Varner Realty Co., J. E. Key, V.-P., 708 Preston Ave., receives bids about Apr. 1 for paving in 85-acre tract; Engineering Service Corp., 1805 Post Dispatch Bldg.

Tex., Jourdanton—City plans 4 blocks 40-ft. asphalt paving; 22 blocks 20-ft. graveling surface, bridges, culverts, grading; Jas. V. Curnutt, Engr. See Financial News—Bond Issues Proposed.

Tex., Miles—Town plans paving 7 blocks in business dist. Address City Clerk.\*

Tex., San Antonio—City, John W. Tobin, Mayor, receives bids soon for street paving; I. Ewig, City Engr.

Tex., San Antonio—City, John W. Tobin, Mayor, receives bids Mar. 22 to pave 7 streets, including 1.6 mi. Buena Vista St., estimated cost \$150,000; also receives bids to pave sections of 3 residential streets, estimated cost \$40,000; I. Ewig, City Engr.

Tex., Sweetwater—Nolan County, A. S. Mauzey, County Judge, receives bids Apr. 15, tentative date, for 2 roads: 15.2 mi. bituminous macadam surface, Highway No. 1, Sweetwater to Mitchell County line; 7.82 mi. grading and bridges, Highway No. 70, north from Coke County line; Jno. A. Focht, County Engr.\*

Va., Appomattox—State Highway Dept., Richmond, plans ½ mi. 18-ft. bituminous macadam road, east of Appomattox, from corporate limits of town along Lynchburg-Farmville road; H. G. Shirley, Chmn.

Va., Brookneal—Town and Norfolk & Western Ry., W. Wiltsie, Ch. Engr., Roanoke, plan extending Cook Ave. from railroad crossing to connect with Main St. Address Town Clk.

Va., Danville—City, E. B. Meade, Chmn. Public Works Committee, receives bids Mar. 25 for 35,092 sq. yd. paving, asphaltic concrete on concrete base; sheet asphalt on cobble base; penetration macadam; surface treat with cold treatment; plans from C. L. Scott, Jr., City Engr.

Va., Falls Church—Town, J. F. Haverty, Clk., plans rebuilding 18 mi. roads, cost \$80,000 to \$100,000. See Financial News—Bond Issues Proposed.

Va., Lynchburg—City plans surfacing Main and Thirteenth Sta. with asphalt, widening Oak Ridge Blvd. and laying slag macadam surface, curbs and gutters; paving Early St. Address City Clk.

Va., Norfolk—J. M. Baldwin, Civil Engr., 118 Brooke Ave., Norfolk, interested in extending Virginia Beach Blvd. across concrete flume at Rudee Inlet, 2 mi. toward Croatan Club.

Va., Richmond—City, R. Keith Compton, Director of Public Works, approves plans expending \$25,000 to grade, pave and improve Coliseum Alley.

Va., Stuart—State Highway Comm., Richmond, plans 2 highways: Highway to North Carolina line, connecting Stuart with Mount Airy and Winston-Salem; hard surface road, Stuart to West Virginia line, via Christiansburg.

W. Va., Charleston—City, H. C. Walker, Mgr., receives bids Apr. 2 and Apr. 16 for street paving, 6000 sq. yd. vitrified brick, 16,000 sq. yd. asphalt, 25,000 sq. yd. concrete, 16,000 ft. curbing, 9000 yds. excavation; H. L. Campbell, Corsicana, \$419,219.\*

W. Va., Clarksburg—City, D. H. Hamrick, Clk., receives bids Mar. 23 for 9390 cu. yd. excavation, 8392 lin. ft. curb, 2740 cu. yd. reinforced concrete, storm water inlets and manholes, etc.; plans from City Mgr. and Construction Engr.

W. Va., Wheeling—State Highway Comm., Charleston, plans improving 4 roads: Building western side of Wheeling Hill, from Mt. Wood road to Seventh St. intersection; rebuild about 5500 ft. National road, from end of improvement at Bloch's Station, to Wheeling Park; Elm Grove crossing to Monument Place Bridge; repair National road at intersection of Stone Church road.

#### Contracts Awarded

Ala., Jasper—Walker County Comms. Court let contract to Willard Brown to grade Copeland Ferry road, at Underwood Hill.

Miss., Greenwood—State Highway Comm., Jackson, let contract to J. H. Milford for 10.5 mi. cross-county road, from DeVore's store on Dixie Highway to Saluda County line, near Friendship Church.

Ark., Malvern—C. L. Besler, Hot Springs, awarded contract at \$47,000 to pave Main St. from depot to Clardy Ave.

Ark., Rogers—City Comms. let contract to D. C. Horton Vibrolithic Co., First Nat'l Bank Bldg., Fort Smith, at about \$25,000, for cement paving on Walnut St., Fourth to city limits.

Fla., Deland—Volusia County Comms. let contract to Kentucky Rock Asphalt Co., M. E. Taylor Bldg., Louisville, Ky., at \$135,000 for material to resurface and widen Daytona-Deland road, Dist. No. 4; County forces will widen and lay asphalt on road from Daytona.

Fla., Fort Pierce—Morgan-Hill Paving Co., Woodward Bldg., Birmingham, Ala., awarded contract for street paving.

Fla., Sebring—Highlands County Comms. let contract to Standard Asphalt Co., Orlando, at about \$214,000 to resurface and rebuild 4 sections State Road No. 8; Wauchula road, from junction with Scenic Highway at Avon Park to connect with present 16-ft. paved road to Wauchula; resurfacing with slag and asphalt roadway, Avon Park to north end of state section; resurface with slag and asphalt road from south end state road section to Hicoria, rebuild low sections north of Hicoria; widen road to 16 ft., Hicoria to Glades County line.

La., Alexandria—City, R. W. Bringhurst, Commr. of Streets and Parks, let contract to Thurber Construction Co., J. F. Valieant, Pres., Farmers & Merchants Bank Bldg., Fort Worth, Tex., to pave Vance and Rensselaer Sts.\*

La., Cedar Grove—Town, W. B. McCord, Clk., let contract to E. E. Blessing, 617 Hope St., Shreveport, for 1200 ft. 4-ft. wide concrete sidewalks.

La., Homer—Town let contract to Phoenix Construction Co., First Nat'l. Bank Bldg., Fort Smith, Ark., at \$10,600, for 5 blocks reinforced concrete pavement, with curbs, gutters and catch basins.\*

La., Monroe—City let contract to J. J. Hamiter, 337 Washington St., Shreveport, at \$2.98 per sq. yd. for sheet asphalt and \$2.68 per sq. yd. for asphaltic concrete on 7 blocks streets.

Md., Towson—Baltimore County Comms. let contract to Christhifl & Ensey, 1625 Ridgely St., Baltimore, at \$38,000 to improve Pittsburgh Ave., Dundalk to Turner's Station.\*

Miss., Columbus—City, Wm. M. Shannon, Res. Engr., let contract to Morgan-Hill Paving Co., Woodward Bldg., Birmingham, Ala.,

at \$93,000 for 5-in. concrete base, 2½-in. sheet asphalt top, street paving.\*

Mo., Joplin—City Comn. let contract to Independent Gravel Co., 220 W. Fourth St., at \$11,913, to pave Second St. with butuminous substance.

N. C., Morehead City—Morehead Bluffs, Inc., let contract to Simmons Construction Co., 11 E. 3d St., Charlotte, for over 32 mi. concrete sidewalks, and 1.2 mi. sheet asphalt streets near Morehead City.

Okla., Oklahoma City—City, M. Peshek, Jr., Clk., let contract to Western Paving Co., Tradesmen's National Bank Bldg., at \$31,687 for natural rock asphalt on concrete base and Warrenite bitulithic paving.\*

Tex.—State Highway Dept., Hal Moseley, Chmn., Austin, let contracts for 2 roads: Panola County, 5.093 mi. Highway No. 8, Chas. Epps, San Augustine, \$32,564; Liberty County, 5.821 mi. shell surfacing and 16.474 mi. concrete pavement, State Highway No. 3, F. P. McElwraith, Corsicana, \$419,219.\*

Texas—State Highway Comm., Hal Moseley, Chmn., Austin, let contracts for 2 roads: Cass County, 5.643 mi. grading and bridges, Highway No. 8, Pinckney B. Price & Co., Paris, at \$59,781; Bexar County, 1 mi. ½-in. limestone rock asphalt surfacing, Garrity road, Colgazer & Hoff, 932 Austin St., San Antonio.\*

Tex., Anderson—Grimes County, Ralph W. Barry, County Judge, let contract for 2 roads: 5.088 mi. grading and structures, Highway No. 94, Womack Construction Co., Sherman, \$27,107; 8.751 mi. grading, drainage structures and surfacing, Highway No. 45, Thomas & Ratcliff, Rogers, \$94,954.\*

Tex., Beaumont—City, Raymond Edmonds, Sec., let contract to Uvalde Rock Asphalt Co., Beaumont, at \$25,737 to pave 4 streets.

Tex., Orange—City, Sol M. White, Mayor, let contract to Frank Depew, North Orange, for sidewalks.

W. Va., Harrisville—Ritchie County Court, J. N. Shrapnack, Clk., let contract to J. H. Holbert & Sons, at \$28,044, to grade Pullman-Berea road, Summers Hill to Berea.

#### Sewer Construction

**Large sums are being expended for sewage facilities in connection with Land Development operations. Details will be found under that classification.**

Ala., Tuscaloosa—City will install storm and sanitary sewers in Shirley Manor subdivision. Address The Mayor.

Fla., Clearwater—City contemplates voting on bonds for sewers. See Financial News—Bond Issues Proposed.

Fla., Fort Lauderdale—City will install additional sewers. See Financial News—Bond Issues Proposed.

Fla., Kissimmee—City, Pat Johnston, Mayor, receives bids April 2 for storm and sanitary sewers and water works. (See Machinery Wanted—Water Works; Sewers, Storm and Sanitary.)

Fla., Manatee—City Council contemplates constructing 10 miles of storm and sanitary sewer and water main.

Fla., Sanford—City will extend sewer system. See Financial News—Bond Issues proposed.

La., Baton Rouge—Comn. Council receives bids March 24 for sanitary sewer system in McCall and Lake Hills subdivision. (See Machinery Wanted—Sewer System.)

Miss., McCombs—See Water Works.

Mo., Carthage—V. E. Koch, Joplin, has contract for sewer in District No. 19.

Mo., Moberly—City will expend \$75,000 for sewage disposal plant. Address The Mayor.

Mo., Salisbury—See Water Works.

Mo., St. Louis—Lomay Ferry Sewer District plans construction of sewer, work to begin in July. Address Circuit Judge McElhinney, Clayton.

N. C., Charlotte—Tucker & Laxton, Engrs., have contract for installing 8 miles of sanitary sewers; Boyd & Goforth, both Realty Bldg., have contract for building 4500 ft. of concrete curbs and gutters.

N. C., Durham—City, R. W. Rigsby, Mgr., receives bids March 18 for sanitary sewers.

N. C., Pinetops—Town, Geo. T. Sugg, Mayor, receives bids March 16 for sewers and water works. (See Machinery Wanted—Water Works and Sewers.)

N. C., Sylvia—Town receives bids March 23 for water and sewer lines, in connection

with street paving; Gilbert C. White Co., Engrs., Five Points, Durham, and 48 College St., Asheville.

Okla., Norman—City reported let contract to E. R. Tibbets, Oklahoma City, for sewers in District No. 3.

Tenn., Knoxville—City, Frederick A. Ault, Recorder, receives bids March 31 for sewers. (See Machinery Wanted—Sewers.)

Tenn., Riverview—Town will install sewers. See Financial News—Bond Issues Proposed.

Tex., Alice—City opens bids March 23 for \$50,000 sewer system. (See Machinery Wanted—Sewers.)

Tex., Brady—City, E. L. Jones, Mayor, will construct sewer system and disposal plant; A. E. Burrows and Nagle, Witt, Rollins & Gilchrist, 1304 Santa Fe Bldg., Dallas, Engrs.

Tex., Groveton—See Water Works.

Tex., San Antonio—Geo. F. Brambaugh has contract for sanitary sewer mains from Bushnell Place to Rock Quarry.

Tex., San Antonio—City received low bid from Kirkwood, Wharton & Lee, 456 Main St., for construction of Concepcion Creek sewer main and Flores St. lateral.\*

Tenn., Dickson—City let contract to Sherman Machine & Iron Works, 18 E. Main St., Oklahoma City, Okla., for installation of sewerage system, laying 12 miles of pipe and building 3 disposal tanks.

Tex., Waco—K. S. Hull, Jr., Temple; J. E. Johnson Construction Co., 203 Cameron Bldg., Waco, and Fireman and Johnson, Dallas, are lowest bidders for sewer improvements; Terrell Bartlett Engineering Co., Calcasieu Bldg., San Antonio, Engrs.

Va., Lynchburg—City authorized construction of sewers and water works in Fairview Heights; R. W. B. Hart, Acting Mayor.

W. Va., Martinsburg—City receives bids April 1 for storm sewers. (See Machinery Wanted—Sewers.)

#### Telephone Systems

Okla., Alva—Turkey Creek Telephone Co., incorporated; C. W. Cline, S. A. Anderson.

S. C., Columbia—Commission composed of Joseph Walker, Pres. Columbia Publicity Club, and Chris Walker, Pres. Chamber of Commerce, and associates will establish \$35,000 radio broadcasting station for state-wide advertising; Richland county has appropriated funds.

Tex., Lamesa—Lamesa Telephone Co., capital \$40,000, incorporated; R. R. Townsend, W. C. Lee.

W. Va., Ridge—Citizens Mutual Telephone Co. of Sleepy Creek, Frederick County, Va., R. L. Omps, Pres., will install telephone system. (See Machinery Wanted—Telephone System Equipment.)\*

#### Textile Mills

Ark., Monticello—Monticello Cotton Mills Co., Louis R. Myers, Sec., will construct addition to present duck manufacturing plant; steel and concrete; install 5000 spindles; electric power plant cost of machinery \$190,000; Lockwood, Greene & Co., Engrs., 1 Pershing Sq., New York, and Healey Bldg., Atlanta, Ga.

Md., Baltimore—Homewood Cotton Mills, Inc., 823 McKim St., capital \$25,000, incorporated; Robert Hockaday.

S. C., Bath—Aiken Mills let contract to Young Electric Works for furnishing and installing electrical system for entire mill village and for distributing system and transformers for 206 houses.

S. C., Fort Mill—Fort Mill Mfg. Co., George Fish, V. P., reported to discontinue manufacture of ginghams and manufacture sheeting, establish bleachery, install machinery to cost \$400,000.

Tenn., Knoxville—Security Mills, Munson St., is erecting 3-story brick storage building on Southern Railway between Barnard Ave. and Cooper St.; 46x88 ft.; concrete and wood floors; cost \$10,000; H. E. Rogers in charge of construction.

#### Water Works

**Large sums are being expended for water works in connection with Land Development operations. Details will be found under that classification.**

Ark., Fayetteville—City let contract to Fairbanks-Morse Co., Chicago, Ill., for additional pumping equipment.

\* In writing to parties mentioned in this department it will be of advantage to all concerned if the Manufacturers Record is mentioned.

## CONSTRUCTION DEPARTMENT

Ark., Texarkana—C. H. Geist Co., Packard Bldg., Philadelphia, Pa., reported sold Texarkana Water Corp., operating in Texarkana, Arkansas and Texas, to American Water Works, Philadelphia, Pa.

D. C., Washington—Washington Suburban Sanitary Comsn. receives bids March 26 for tank and tower. (See Machinery Wanted—Tank and Water.)

Fla., Boca Raton—City contemplates improvements to water works, installation of electric lighting system, landscaping of Palmetto Park Rd. See Financial News—Bond for water works improvement. See Financial Issues Proposed.

Fla., Clearwater—City contemplates voting on bonds for water works, sewerage, gas, island park improvements and Bayview Park Improvements. See Financial News—Bond Issues Proposed.

Fla., Fort Lauderdale—City voted water works bonds. See Financial News—Bond Issues Proposed.

Fla., Hialeah—City will expend \$100,000 for water mains. See Financial News—Bond Issues Proposed.

Fla., Kissimmee—City, Pat Johnston, Mayor, receives bids April 2 for water works, storm sewers, sanitary sewers. (See Machinery Wanted—Water Works and Sewers.)

Fla., Lake Helen—City, J. P. Mace, Mayor, contemplates water works improvements.

Fla., Manatee—See Sewer Construction.

Fla., Micanopy—Town, J. Jas. Jones, Clk., will construct water works system.

Fla., Sanford—City will expend \$325,000 News—Bond Issues Proposed.

Fla., Tampa—City, Perry G. Wall, Mayor Commr., receives bids March 30 for pipe line across Hillsborough River. (See Machinery Wanted—Water Works.)

Md., Salisbury—City, Thomas Parker, Mayor, let contract to J. B. Ferguson, Hagerstown: Laws Construction Co., Salisbury, for sewer and water system; cost \$100,000; 500,000 gal. daily capacity; cost \$560,000; T. H. Dryden, City Engr.

Miss., Centerville—See Electric Light and Power Plants.

Miss., McComb—City will construct addition to sewage disposal plant and drill water well. Address The Mayor.

Miss., Meridian—Meridian Country Club will install water system with irrigation pipes for golf course; E. L. Robins and C. L. Hughes, Committee.

Mo., Kansas City—Fire and Water Board authorized expenditure of \$326,000 for discharge and feeder mains for water works.

Mo., Republic—City reported let contract to R. McSweeney, 555 N. Division St., Springfield, for water works system.

Mo., Sedalia—Cook-O'Bryan Construction Co., 430 Railway Exchange, Kansas City, has contract for laying flow line from Springfork dam to settling basin.

N. C., Belmont—City, C. W. Kale, Mayor, receives bids March 20 for water works improvements. (See Machinery Wanted—Water Works.)

N. C., Durham—City, R. W. Rigsby, let following contracts for materials for water works: The Crane Co., 1217 W. Broad St., Richmond, Va., for galvanized wrought-iron pipe; Tomlinson Co., Peabody St., Durham, for 10,000 ft. of soil pipe and fittings; The Mueller Co., Decatur, Ill., for goosenecks and curb stops.

N. C., Pinetops—Town, Geo. T. Sugg, Mayor, receives bids March 16 for water works and sewers. (See Machinery Wanted—Water Works and Sewers.)

N. C., Shelby—City Council acquired 30 acres at site for pump station; \$200,000 available.

N. C., Sylva—Town receives bids March 23 for water and sewer lines, in connection with paving. Gilbert C. White Co., Engrs., Five Points, Durham, and 48 College St., Asheville.

N. C., Tabor—City will construct water works; cost \$20,134; J. B. McCrary Engineering Corp., Engrs., Atlanta, Ga.

Okl., Clinton—City will improve water works system, construct dam, expend \$500,000. Address The Mayor.

Okl., Kaw City—City reported to construct water works; Grant, Fulton & Letton, Engrs., 505 Bankers' Life Bldg., Lincoln, Neb.

Okl., Lawton—International Filter Co., Chicago, Ill., has contract for filter plant improvements.\*

Okl., Tonkawa—City will extend water and electric light lines. See Financial News—Bond Issues Proposed.

## CONSTRUCTION DEPARTMENT

## Manufacturers Record

Okl., Tulsa—Water Board Comms. voted to let contract to Standard Paving Co., 1742 E. 6th St., at \$345,000, for Mohawk high-pressure water line.\*

S. C., Old Fort—City will install white way and enlarge water shed for water supply. F. M. Bradley, Mayor.

Tenn., Riverview—Town will install water, sewers and electric lighting system. (See Financial News—Bond Issues Proposed.)

Tex., Abilene—City, M. L. Sellers, Sec., receives bids March 19 for water purification plant. (See Machinery Wanted—Water Works.)

Tex., Dallas—City will soon receive bids for furnishing city with 3000 ft. of 12 in. Class A cast-iron water main; Koch & Fowler, Engrs., 801 Central Bank Bldg.

Tex., El Paso—City, J. E. Anderson, Clk., receives bids March 25 for reinforced concrete reservoir. (See Machinery Wanted—Water Works.)

Tex., Goliad—City acquired water works system. Address The Mayor.

Tex., Groveton—City, R. R. Cobb, Mayor, receives bids March 16 for water and sewer system; cost \$46,000. (See Machinery Wanted—Water and Sewer Systems.)

Tex., Laredo—Texas Central Power Co., Frost Bldg., San Antonio, reported to improve water and light plants, install equipment.

Tex., Mt. Pleasant—City will improve water works system. See Financial News—Bond Issues Proposed.

Va., Brookneal—Town Council considering installing water and sewer system.

Va., Clarendon—Carl E. Swenson has contract for 30,000-gal. cistern.

Va., Lynchburg—See Sewer Construction.

## Woodworking Plants

Ala., Gadsden—Carriage Wood Stock—Crane & MacMahon, Inc., Thos. A. White, Pres., New York City, reported establish subsidiary plant; erect sheet iron building and install equipment for manufacture of spokes, single trees, neck yokes, etc., as soon as site is selected; probably move plant from Hohenwald, Tenn.

Fla., Haines City—Charles Schutte Body Co., Lancaster, Pa., reported probably establish plant for manufacture bus bodies, etc.

Fla., Okeechobee—Frink Furniture Co., capital \$50,000, incorporated; A. O. Frink, J. W. McFarland.

Fla., Tarpon Springs—Mill Work—J. R. Leak Manufacturing Co., building \$30,000 plant to manufacture windows, doors, etc.

Mo., Festus—Collapsible Coop & Carrier Co., capital \$100,000, incorporated; C. E. Crosby, Chas. Porter.

N. C., Asheville—Furniture—Carolina Wood Products Co., Louis Francis, Supt. of Woodfin, have begun addition to plant, estimated cost between \$75,000 and \$100,000; increasing capacity by one-third.

N. C., Asheboro—W. C. Page and A. E. Presnell let contract to Burrows & Lamb for \$10,000 plant, 2 48x94 ft. buildings, corrugated iron, wood floor, iron roof, install \$10,000 equipment; daily output 300 chairs.\*

Tenn., Elizabethton—Empire Chair Co. let contract to B. F. Sturtevant, 200 Devonshire St., Boston, Mass., at \$30,000, for additional 2-story building and battery of dry kilns; D. R. Beeson, Archt., Johnson City.

Va., Churchland—Barrels and Crates—Planters Manufacturing Co., W. W. Hargraves, Pres., 212 Boulevard, Portsmouth, acquired plant of Churchland Manufacturing Co., continue existing business.

Va., Pulaski—Pulaski Veneer Corp., capital \$100,000, chartered; Earl B. Lange, Pres.; manufacture veneers, furniture, etc.

## FIRE DAMAGE

Ark., Little Rock—Emmanuel Baptist Church, Tenth and Gains Sts.; loss \$150,000. Address The Pastor.

Ark., Fort Smith—Mansfield Lumber Co.'s sheds on Wheeler Ave.; loss \$35,000.

Ark., Norphlet—Dixie Theater, Neyland Brothers' store, Norphlet Drug Co., People's Market, Singer Sewing Machine Co. agency, Roy's Barber Shop; loss \$30,000.

D. C., Washington—Liggett's Drug Store, 904 F St., N. W.; Mertz & Mertz, tailors, 906 F St.; Columbia Optical Co., 908 F St.; loss \$100,000.

In writing to parties mentioned in this department it will be of advantage to all concerned if the Manufacturers Record is mentioned.

Fla., Tampa—Tampa Coal Co.'s garage on Waters St. and adjoining building; loss \$70,000.

Ga., Macon—W. E. Stewart's residence, 143 Hines Terrace.

Ga., Millen—Two storage houses of A. B. Weeks and B. C. Brannon.

Ga., Millen—Marks Brothers Department Store; loss \$50,000.

Ga., Quitman—South Georgia Lumber Co.'s planing mill and dry kiln; loss \$50,000.

Ky., Covington—First Presbyterian Church, Rev. S. B. Hay, Pastor.

Ky., Glasgow—Graded School annex; loss \$15,000; Address School Board.

Ky., Lexington—Building at 420 W. Main St., occupied by Southern Taxicab Co.; loss \$100,000.

Ky., Stone—Coal tipple at Fordson Coal Co.'s mine, loss \$50,000.

Ky., Vanceburg—Saint Carlos Hotel and four other buildings; address The Propr.; loss \$30,000.

La., Lake Charles—Lake Charles Machine Shop, Mill and Ann Sts.; building owned by Kelly-Weber Co.

Md., Baltimore—Storage shed at Clifton Park; loss \$30,000; G. L. Nichols, gen. supt. of City parks.

Md., Hagerstown—St. James School, near Hagerstown; loss \$100,000. Address Adrian Onderdonk, headmaster.

Miss., Fulton—Boys' dormitory of Itawamba County Agricultural High School.

Miss., Vicksburg—Tyner's Printery on Crawford St.; loss \$10,000.

Mo., Joplin—Mrs. Marion Staple's residence, 14 1/2 Pearl Ave.; loss \$10,000.

Mo., Springfield—Wyman-Daniel Clothing Co., Theodore Danielson Jewelry Co., Neff Peterson, Women's Ready-to-Wear Store, Brown Bros.' Book Store, Glasgow Tailoring Co.; loss \$250,000.

Mo., St. Louis—Building at 4101-9 Manchester Ave., Progress Department Store on first and mezzanine floors, Gray Hotel above; loss \$150,000.

N. C., Dunn—Johnson Motor Co.'s garage on W Broad St.

N. C., Greensboro—Training School building at North Carolina College for Women, Dr. J. I. Foust, Pres.

N. C., Hillsboro—North Carolina Lumber Co.'s shingle plant; loss \$125,000.

N. C., Oak Ridge—Stafford Brothers' mill; loss \$20,000.

Okl., Miami—Pioneer Lead & Zinc Co.'s 300-ton ore mill; loss about \$75,000.

S. C., Dillon—Building owned by Dillon Livestock Co., loss \$25,000; occupied by E. W. Wilson (automobile accessories), loss \$70,000.

S. C., Spartanburg—Store at 124 Horgan Square, operated by A. & E. Co., Inc.; loss \$40,000.

Tenn., Chattanooga—Boone & Burks Grocery Co. and Everton Candy Co., at 2205 and 6 McCallie Ave.; loss \$20,000.

Tenn., Chattanooga—Residence near Signal Inn of Harry Clark, Sec., Hamilton County Highway Comsn.

Tenn., Columbia—Stockard Witherspoon's residence, Santa Fe pike.

Tenn., Dyer—L. A. Thornton's cotton gin; loss \$20,000.

Tenn., Lewisburg—Derryberry Jewelry Store, Dixie Theater owned by T. J. Boyd, other buildings; loss \$50,000.

Tex., Lone Oak—Lone Oak Oil Mill; loss \$50,000.

Tex., Mineola—Mineola Bank; H. W. Meredith and associates, building; C. C. Wood & Co. store; C. C. Moore, store; Mrs. F. C. Renneau, building; W. D. Williams, grocery; E. A. Reeves, abstract office; Van Plumbing Co. and J. H. Williams' building; loss \$150,000.

Tex., Plainview—T. Hall Brown's residence near Plainview; loss \$10,000. Address Mr. Brown, care Mrs. Flora Haynes, W. Seventh St.

Va., Boykins—Jonas R. Bryant's garage and barn.

Va., Radford—Radford Virginia Iron, Coal & Coke Co.'s coke bins.

Va., Richmond—Chamberlayne Leaf Tobacco Co.'s factory at 320 S. Tenth St.; loss between \$75,000 and \$100,000.

## BUILDING NEWS

## BUILDINGS PROPOSED

## Association and Fraternal

Ala., Birmingham—Young Men's Christian Assn., W. S. Stallings, Gen. Sec., 520-24 N. 20th St., opens bids about May 15 for remodeling old Birmingham Athletic Club bldg. for boys' annex; 3-stories, 90x100 ft. See Machinery Wanted.\*

Ala., Gadsden—Etowah Masonic Club, Inc., D. C. Springfield, Pres., contemplates construction of 150x150 ft., concrete wall and sand bottom swimming pool and baths houses at Elliott Masonic Park; water to be pumped from well; cost \$5000; also plan clubhouse, unit to be erected this year, probably be caretaker's residence and small auditorium; polished logs or old field stone and concrete; Fitzhugh E. Lee, Engr.-Constr. Supervisor. See Machinery Wanted.\*

Fla., Jacksonville—Moose Lodge, Dr. J. S. Coffman, Dist. Supervisor, considers \$250,000 building.

Fla., Miami—Biscayne Bay Lodge No. 124, F. & A. M., Paul M. Martens, Sec., P. O. Box 333, receives bids about March 20 for 3-story temple, Riverside; cost \$150,000, 50x150 ft.; stores on first floor; John H. Sculthorpe, Archt., 206 Townley Bldg. See Machinery Wanted.\*

Fla., Tampa—Young Women's Christian Assn. has gift of property from C. Perry Snell under condition that plans for \$150,000 girls' clubhouse be drawn at once; structure to be erected at Lamara St. and Bandero Way in three \$50,000 units, 1 a year.

Miss., Vicksburg—American Legion, Jack Miller, Post Commr., 2300 Drummond St., plans community house.

Mo., Springfield—Benevolent Protective Order of Elks plan building.

Okla., Tonkawa—Ralph Browne Post, American Legion, soon let contract for 2-story brick building; 50x140 ft., cost \$20,000; D. S. Fisher, Archt.; plans completed.\*

Tenn., Paris—Paris Lodge No. 108, A. F. & A. M., J. K. Currier, Sr., Chmn. Bldg. Comm., plans 2-story building, Blythe St.; lodge on first floor, apartments above.

## Bank and Office

Fla., Fort Lauderdale—City Bank of Fort Lauderdale, 220 Andrews Ave., erect bank building about 6 months.

Fla., Hastings—Hastings Power & Ice Co., C. D. Littlefield, Mgr., drawing plans for tile and stucco office building; 116x75 ft., cement floors, composition roof.

Fla., Jacksonville—Henry Bickel Co. erect \$12,000 office, 433-35 Garden St.

Fla., Miami—Bernhardt Muller, 527 Fifth Ave., New York, drew plans for administration building for proposed Opa-Locka development; J. W. Leigh, Asso. Archt.-Constr. Supervisor, Miami; work started.

Ky., Versailles—Woodford Bank & Trust Co. has plans for bank building, Main St. and Courthouse Sq.; offices on second floor; Hoggson Bros., Archts., 485 Fifth Ave., New York, and 38 S. Dearborn St., Chicago, Ill.

Mo., Joplin—Empire District Electric Co. reported erect \$175,000 building, Sixth and Joplin Sts.

Mo., Kansas City—City Bank contemplates erecting 6- or 7-story bank and office building, 18th St. and Grand Ave., within next year.

Mo., St. Louis—Alton Bldg. & Loan Assn., Alton, Ill., erect building and loan office, E. Third St.

N. C., Charlotte—Charlotte Architects' Club, Franklin Gordon, member, 12 Vail Ave., considers building.

N. C., West Asheville, Asheville—Bank of West Asheville, H. B. Posey, Cash., receives bids March 22 for ordinary type and reinforced concrete bank and office building, cost \$25,000 to \$30,000; 2 stories, 25x80 ft., wood and marble floors, concrete foundation, composition roof; J. J. Baldwin, Archt., 205 Taylor Bldg. See Machinery Wanted.\*

Okl., Okmulgee—J. W. McColloch, 700 Commerce Bldg., receives bids March 25 at office Smith & Senter, Archts., 401-05 Commerce Bldg., for reinforced concrete, face brick, terra cotta, stone, etc., office building; 6 or 8 stories, 95x102½ ft.; furnishings, equipment, etc., \$90,000. See Machinery Wanted.\*

Tenn., Chattanooga—Chattanooga Savings

Bank & Trust Co., Z. W. Wheland, Chmn. Bldg. Comm., expects to have plans completed within next 30 to 60 days for \$750,000 building, Eighth, Market and Broad Sts.; 10 or 12 stories, 200x60 ft., fireproof; equipment cost about \$200,000; banking quarters and stores on first floor; R. H. Hunt Co., Archts., James Bldg.\*

Tex., Denison—Citizens National Bank remodel building; cost about \$12,000, brick and stone, 3 stories, 50x120 ft.; offices on second floor; cost about \$12,000; John Tullock, Archt., 213 M. & P. Bank Bldg., Sherman.

Tex., San Marcos—San Marcos Oil Co. erect 1-story office building; reinforced concrete foundation, hollow tile and stucco; Harvey P. Smith, Archt., Natl. Bank of Commerce Bldg., San Antonio.

## Churches

Ark., Parkin—Methodist Church erect building. Address The Pastor.

Ala., Marion—Siloam Baptist Church, Dr. R. Kelly White, Pastor, plans Sunday school annex.

Ark., Little Rock—Immanuel Baptist Church, Tenth and Bishop Sts., Rev. Otto Witington, Pastor; rebuild structure noted burned at \$150,000 loss.

Ala., New Hope—Methodist Church, Rev. W. M. Wade, Pastor, erect building; Alsop & Callahan, Archts., Rand Bldg., Memphis, Tenn.

Ark., Blytheville—Methodist Church erect \$15,000 building. Address The Pastor.

Fla., Coral Gables, Miami—St. Stephens P. E. Church, Rev. Benj. Soper, Rector, has completed plans by John N. Bullen, Metropolitan Bldg., for \$100,000 church, parish house and rectory, Granada Blvd. and University Mall; stucco, Spanish tile roofs.\*

Fla., Daytona Beach—St. Paul's R. C. Church, Rev. Wm. J. Mullaly, Pastor, erect \$200,000 building, N. Ridgewood Ave. and Cypress St.; drawing plans.

Fla., Hollywood—Presbyterian Church erect \$60,000 steel, hollow tile and stucco building; 1½ stories, 60x100 ft., tile and concrete floors, concrete foundation, tile roof, interior tile, ornamental terra cotta, folding partitions; H. D. Mendenhall, Archt., Lakeland.

Fla., Jacksonville—First Christian Church, Rev. J. T. Boone, Pastor; rebuild burned structure, W. Monroe & Hogan Sts.

Fla., Jacksonville—Church of Good Shepherd, Rev. C. A. Ashby, Rector, considers building.

Fla., New Smyrna—Shappell & Weller, P. O. Box 1658, drawing plans for hollow tile and concrete church; 1-story, 75x140 ft., wood floors, concrete foundation, thatched roof, plaster board, rolling partitions, cast stone.

La., Homer—Presbyterian Church, Rev. Arthur C. Evans, Pastor, receives bids March 22 for hollow tile and stucco building; 2 stories, 38x70 ft., Celotex ceilings, hot blast heating, cost \$20,000; Clarence C. Bulger Co., Archt., 402 Praetorian Bldg., Dallas, Tex.\*

La., Minden—First M. E. Church, Rev. L. I. McCain, Pastor, plans \$100,000 building.

Miss., Louise—Methodist Episcopal Church opens bids March 22 for brick building; pine and concrete floors, cement foundation, composition roof, metal ceilings, cast stone. Address W. B. Alsorth.

Mo., Cape Girardeau—Centenary Methodist Church plans \$75,000 Sunday school building; financing. Address The Pastor.

Mo., Kansas City—Northeast Presbyterian Church, 310 Van Brunt Blvd., erect \$19,000 basement. Address The Pastor.

Mo., Marshall—Methodist Church erect \$100,000 building.

Mo., Springfield—Central Christian Church, Rev. Harvey L. Humphrey, Acting Pastor, 406 Y. M. C. A. Bldg., erect \$55,000 Colonial church and Sunday school; concrete, brick walls, stone trim, metal or plaster finish, 1 and 3 stories, 84x54 ft. and 75x50 ft., terrazzo, composition, hardwood and probably concrete floors, roofing not decided; Hawkins & Abbott, Archts., McDaniel Bldg. Address Rev. Mr. Humphrey. (See Machinery Wanted—Building Material; Pipe Organ; Heating Plant (Steam).\*

Mo., St. Louis—Roman Catholic Diocese reported erect church at Glen Carbon. Address The Bishop.

Mo., Webb City—Baptist Church, Roane St. and Broadway, erect \$10,000 auditorium and Sunday school; 1 story and basement, 33x30 ft., concrete and wood floors, concrete foundation, shingle roof; Chas. Stines, Archt., 328 S. Hall St. Address S. M. Higgins, 1415 Austin St. See Machinery Wanted.\*

N. C., Asheville—Jas. J. Baldwin, Archt., will draw plans for number of churches.

N. C., Asheville—Chestnut Street Methodist Church, S. P. Burton, Chmn. Bldg. Comm., having plans drawn by Jas. J. Baldwin for \$150,000 building, Hillside and Summit Sts.\*

N. C., Asheville—Mount Pleasant Methodist Church erect building; Jas. J. Baldwin, Archt.

N. C., Forest City—First Baptist Church, Chas. Z. Flack, Chmn. Bldg. Comm., probably select architect in about 10 days for \$60,000 Sunday school.\*

Okl., Enid—St. Paul's Evangelical Lutheran Church excavating for \$60,000 red brick and white stone building; seat 500. Address The Pastor

Tenn., Pulaski—Methodist Church erect \$15,000 Sunday school. Address The Pastor.

Tex., Beaumont—Central Church of Christ plans \$15,000 building; brick, tile and stucco, auditorium seat 800; soon select architect. Address The Pastor.

Tex., Corpus Christi—Good Shepherd P. E. Church, Richard King, Chmn., Bldg. Comm., erect semi-fireproof building; brick, stone and reinforced concrete; 1 story; John M. Marrott, Archt., Frost Bldg., San Antonio.

Tex., El Campo—Methodist Episcopal Church, South, opens bids April 1 for brick and hollow tile building, cost \$28,000; 3 stories, 54x104 ft., concrete, hardwood and linoleum floors, concrete foundation, composition roof, metal ceilings, wire glass, plaster board; Wm. C. Meador, Archt., Dan Waggoner Bldg., Fort Worth; material from El Campo Lumber Co. Address R. E. Comstock.\*

Tex., Greenville—Washington Street Baptist Church remodel main auditorium and erect 3-story and basement Sunday school, 50x75 ft.; brick and plaster; W. R. Ragsdale, Pastor.

Tex., Houston—Bering Memorial Methodist Church, 1440 Harold St., erect \$45,000 building; 2 stories, 64x88 ft., cement floors, Johns-Manville roof; Jas. Ruskin Bailey, Archt., 1606 Main St. (See Machinery Wanted—Church Furnishings, etc.)\*

Tex., Jacksboro—Baptist Church, Ira Butler, Chmn., Bldg. Comm., plans \$25,000 brick and concrete building; 1 story and sub-story, Classic type; Withers & Merrell, Archts., 41½ Oak St., Mineral Wells. (Lately noted under Tex., Jacksboro.)\*

Tex., San Antonio—Waples Memorial Methodist Church, Rev. Hershel Timmons, Pastor, erect \$30,000 brick and concrete Sunday school.

Tex., Waco—Russell First M. E. Church, Rev. W. W. Sheppard, Pastor, erect building, Ferry St.; also remodel present structure for apartments; select architect.

Va., Richmond—Ginter Park Baptist Church, \$25,000, has permit to remodel building. Address The Pastor.

## City and County

Ala., Birmingham—City having plans drawn by Bem Price, Age-Herald Bldg., for \$35,000, for Fire Station No. 4, 24th St. and Second Ave., North: fireproof, 35x90 ft., 2 stories, buff brick, terra cotta trim, Italian Renaissance type; plans for \$17,500 Lakeview station being drawn by Miller & Martin, Title Bldg.\*

Ala., Fairfield—City receiving bids for city hall, police and fire departments building; cost \$150,000.

Ark., Gentry—City Council remodel auditorium annex for fire station.

Fla., Clearwater—Pinellas County Board of Commrs., K. B. O'Quinn, Clk., rejected bids for courthouse addition; F. J. Kennard & Son, Archts., Krause Bldg., Tampa.\*

Fla., Clearwater—City plans \$761,000 bond election, including \$60,000 for municipal building. Address City Council.

Fla., Miami—City, F. H. Wharton, City Mgr., has low bid at \$42,874 each from Dusenberry-Clifford Co. for fire station, N. W. 17th St. and Seventh Ave. and one at Little River.

Fla., Milton—Santa Rosa County Board of Commrs. having plans drawn by Warren, Knight & Davis and Chandler C. Yonge, Archts., 500 American Natl. Bank Bldg., Pensacola, for \$150,000 fireproof

courthouse and jail; possibly ask for bids within 30 days.\*

Fla., Orlando—Orange County Board of Commrs., B. M. Robinson, Clk., receives bids March 16 for courthouse; drawings and specifications from Murray S. King, Archt., and Jas. B. King, Asso. Archt., 748 N. Orange Ave.\*

Fla., Wewahitchka—Gulf County Board of Commrs. probably start work within 60 days on \$91,000 courthouse.

Ga., Atlanta—City, Walter A. Sims, Mayor, votes March 24 on \$8,000,000 bonds, including \$1,000,000 for city hall; A. Ten Eyck Brown, Archt., Forsyth Bldg.\*

Ga., Woodbine—Camden County, C. J. Call, Clk., rejected bids for courthouse; J. DeBruya Kops, Archts., 724 Collins Ave., Miami Beach, Fla.\*

Md., Baltimore—Park Board plans comfort station at Federal Hill Park; will remodel and renovate Mansion and Maryland houses at Druid Hill Park.

Miss., Greenwood—Leflore County Board of Supervisors, A. R. Bew, Clk., vote March 27 on \$125,000 courthouse and jail bonds; on April 5 will select architect and designer for jail.

Miss., Natchez—Adams County Board of Supervisors receives new bids at April meeting for remodeling courthouse; Wm. Stietenroth, Archt.\*

Miss., Pass Christian—City, Dr. J. A. Spence, Mayor, erect \$25,000 city hall.

Mo., Moberly—City votes April 6 on \$125,000 city hall bonds; Ludwig Abt, Archt.\*

Mo., St. Louis—Citizens' Bond Issue Supervisory Comm., City Hall, considering reconstruction of Forest Park Pavilion; cost about \$140,000; in meantime erect temporary structure.

Mo., Springfield—Dr. S. F. Freeman, 200½ E. Commercial St., opens bids about March 20 for \$12,000 brick and hollow tile residence; 2 stories and full basement, 30x40 ft. with two 7-ft. extensions, hardwood and tile floors, concrete foundation, tile roof, incinerator; furnishings, equipment, etc., \$2500; Wilbur Thompson, Archt., Roanoke St. (See Machinery Wanted.)

Mo., St. Louis—Citizens Bond Issue Supervisory Comm., considers reconstruction of Forest Park Pavilion; cost about \$140,000; H. E. George, Archt., 445-9 Shaw St.; in meantime erect temporary structure.

N. C., Murphy—Cherokee County Board of Commrs., T. W. Axley, Chmn., receives bids April 15 for fireproof courthouse; 2 stories, 75x150 ft., reinforced concrete floors and foundation, composition roof, cost \$250,000 to \$300,000; J. J. Baldwin, Archt., 205 Taylor Bldg., Asheville. (See Machinery Wanted.)

Okl., Claremore—City Council will call election on \$25,000 city library and memorial hall building; date not set.

Tex., Fort Worth—City, Marvin D. Evans, Chmn., Recreation Board, City Hall, selected E. W. Van Slyke & Co., 403 Reynolds Bldg., as architects for \$55,000 recreation hall; brick, reinforced concrete, fireproof.

Tex., Goose Creek—Harris County Commissioners' Court contemplates \$30,000 jail and courthouse.

Tex., Marshall—City votes April 17 (extended date) on \$75,000 city hall bonds and \$25,000 fire station bonds; additional \$50,000 available for city hall. Address City Commission.\*

Tex., Rankin—Upton County Board of Commrs. erect \$30,000 jail; brick, stone and reinforced concrete, 2 stories, 40x68 ft., steam heat, concrete floors, tar and gravel roof; David S. Castle Co., Archts., 701-04 Alexander Bldg., Abilene; bonds voted.

Tex., San Antonio—City have plans ready for bids about March 22 on community center, Brackenridge Park; 1-story, 42x77 ft., stone and concrete, cost \$10,000; Emmett T. Jackson, Archt., Builders' Exchange Bldg.

Va., Roanoke—City Council, J. W. Comer, member, has low bid at \$42,200 from Martin Bros., American Natl. Bank Bldg., for detention home, Roren Ave. near Sixth St.; H. M. Miller, Archt., Shenandoah Life Bldg.\*

### Dwellings

Ala., Birmingham—Clairmont Construction Co. erect 5 dwellings, 19th and 20th Sts.; total cost \$24,500.

Ala., Birmingham—Mrs. Ben F. Crabbe, 1906 Nelson Ave. S., erect \$14,000 residence, 914 Linwood Road.

Ala., Birmingham—Alan Smith, 400 S. 44th St., erect \$14,000 residence, 43d St. and Overlook Road.

Ark., Bentonville—Mrs. F. G. Lindsey erect residence.

Ark., Camden—V. O. Buck erect residence, Watson Place.

Ark., Evening Shade—C. D. Evans erect residence.

Ark., Gurdon—R. T. Rice erect residence, Main St.

Fla., Haines City—Miss Eleanor Reitz and Mr. Lowther, representing Miami syndicate, erect \$10,000 dwelling; material on ground.

Ark., Little Rock—H. A. Bowman, 21st and Wolfe Sts., erect brick veneer residence, 2010 Wolfe St.

Ark., Little Rock—Branton & Williams erect brick veneer residence, 1710 Prospect Ave.

Ark., Little Rock—J. H. Holt erect brick veneer residence, 1612 N. Harrison St.

Ark., Little Rock—N. J. Allen, 406 N. Van Buren St., erect 3 dwellings, 4315-19-21 W. 12th St.

Ark., Little Rock—D. M. Satterwhite erect brick veneer residence, 112 N. Elm St.

Ark., Little Rock—Carter & Carter erect 6 dwellings, 1104-18 W. 29th St.

Ark., McNeil—R. T. Westbrook erect residence.

Ark., Paragould—Wiley Wolfe erect residence.

Fla., Daytona Beach—E. T. Markham erect \$12,500 hollow tile residence, Daytona Highlands; plans and specifications by R. L. Riggs Engineering Corp., Peninsula Station, Box 753.

Fla., Jacksonville—Curtiss Properties, Inc., care Central Agencies Co., 2 East Bay St., plans 10 dwellings, connection with development; cost about \$10,000 each.

Fla., Jacksonville—John Miller, 1007 E. Ashley St., erect 2 dwellings, Butler St.

Fla., Lake Worth—Bessinger Development Co., P. O. Box 1128, erect number dwellings, connection with development.

Fla., Leesburg—Thos. Windram erect \$16,000 brick residence and 2-car garage, 12th St. near High St.

Fla., Miami—Fredk. Sharp, Congress Bldg., erect \$20,000 residence, Crystal Court and S. Bay Shore Drive; C. E. Ewing, Archt.

Fla., Miami—Economy Home Construction Co., 317 N. E. Second Ave., Howard E. Deign, Pres., erect number dwellings

Fla., New Smyrna—Earl Wheeler erect \$12,000 hollow tile residence; 1-story, 44x60 ft., hardwood, tile and concrete floors, concrete foundation, thatched roof, interior tile, electric refrigerator; Shappell & Wheeler, Archts., P. O. Box 1658, open bids about April 1.

Fla., Orlando—Lafayette Devel. erect \$10,000 residence, 25 E. Central St.

Fla., Orlando—Joe M. McCormick, 803 Delaney St., erect \$15,000 Spanish type residence, Orange Ave. and Summerlin St.; stucco, concrete basement, furnace; oak finish in library; built-in book shelves, tile loggia.

Fla., Orlando—Mrs. Emma Scruggs erect \$18,000 residence, Orange Ave. and Gore St.

Fla., Sarasota—F. C. Bradbury has permit for residence, Tamiami Park; cost about \$10,000.

Fla., Sarasota—W. H. Schmidt has permit for \$10,000 residence, Mira Mar Beach.

Fla., St. Augustine—August Heckscher, 50 E. 42d St., New York, erect number dwellings, Miami Beach.

Fla., St. Petersburg—Mrs. Ella Huntington erect 2-story frame residence and garage, E-135 Twentieth Ave. N.; cost about \$10,000.

Fla., St. Petersburg—J. R. Satterfield erect 2-story frame residence and garage, Island View Ave. near Park St.; cost about \$10,000.

Fla., St. Petersburg—T. M. Gibbs Construction Co. erect 2-story frame dwelling and garage, Fairway Ave. and one, Granada Way; 38x39 ft. and 33x45 ft.; total cost \$31,100.

Fla., St. Petersburg—C. W. Benedict, Titusville, Pa., erect \$35,000 residence, 53rd Ave., North, Lellman Heights; 2 stories, Spanish type.

Fla., St. Petersburg—H. C. Corbin erect 5 Spanish type dwellings, Haines Rd., 16th St., North, and Euclid Blvd., Monticello Park; hollow tile and stucco, 2 stories, 34x62 ft., dak, tile, concrete and linoleum floors, electric refrigerators, built-up roofs, cost \$15,000 each; furnishings, equipment, etc., \$5000.

Fla., St. Petersburg—Jack R. Crain erect \$11,500 residence and garage, Second Ave. North, near 65th St.; 2 stories, frame.

Fla., St. Petersburg—W. Lake erect \$15,000 residence and garage, 66th St. near Sixth Ave. S.; 2 stories, frame.

Fla., St. Petersburg—Roy D. Fisk, 208 Ninth St. N., erect \$7500 bungalow and garage, 55th St. N., near Euclid St.; \$9500 two-story frame dwelling and garage, 15th Ave. N., and Beach Drive; also \$2500 garage, Second Ave. N., near 23d St.

Fla., St. Petersburg—J. I. McKenzie, Brunswick, N. J., erect Spanish type residence; plans and constr. supervision by owner.

Fla., St. Petersburg—L. H. McMasters, 669 Central Ave., erect residence, Monte Cristo Isle, Boca Ciega Bay.

Fla., Tampa—J. C. Jones erect \$12,500 residence, Sylvan Ramble.

Fla., Atlanta—Mrs. M. M. Jackson erect 1-story brick veneer dwelling, 156 Sherwood Rd.; cost about \$10,000.

Fla., Waycross—W. R. Warren erect residence, State St.

Fla., Waycross—Hennicue Allen erect residence, State St.

Fla., Waycross—W. L. Hinson considers residence, Magnolia Drive and Atlantic Ave., Cherokee Heights.

Ky., Lexington—Dr. Henry G. Foushee, 167 N. Upper St., erect stone residence and garage, Fincastle and Irvine Rds., Ashland Park; 8 rooms.

Fla., Tampa—Island Construction Co. erect \$12,000 dwelling, Blanca St.

Fla., Tampa—R. O. McDonald, 5112 Seminole Ave., erect \$10,000 residence, Edgewood Road.

Ga., Baxley—B. F. Ellington erect residence.

Ga., Baxley—Judge L. N. Spear erect residence.

Ga., Fitzgerald—Dixie Realty & Investment Corp. erect 6 dwellings, S. Grant St.; cost about \$4000 each.

Ga., Waycross—Mrs. O. L. Inman erect residence, Montgomery St.

Ga., Waycross—M. M. Monroe, owner, Waycross Pecan Products Co., purchased 35 lots; erect number dwellings.

Ky., Lexington—Dr. J. L. Sowers plans residence.

Ky., Louisville—Edw. J. Schmidt, 301 S. 38th St., erect 6 dwellings, 314-16-18, 402-04-06 S. 38th St.; cost \$3000 each.

Ky., Louisville—Albert T. Townsley, 607 Republic Bldg., erect 7 dwellings, 942-44-46-48-50-52-54 Burton St.; cost \$2500 each.

La., Miami—Sam'l. S. Scobey, Long Branch, N. J., reported erect residence.

La., New Orleans—J. Nicaud erect \$12,000 duplex, State Street Drive, near Burke St.; John B. Fenasi, Contr., 1415 St. Roch Ave.

La., New Orleans—St. Ann's R. C. Church, Rev. F. J. Bodeaux, Pastor, alter and erect 20x40 ft., 1-story and attic frame addition; composition and slate roof; Wogan & Bernard, Archts., Title-Guarantee Bldg., receiving sub-bids.

La., New Orleans—J. H. Bodenheimer, 5 Newcomb Blvd., erect 1-story stucco residence, Soniat St., near St. Charles Ave.; tile and composition roof; Weiss & Dreyfous, Archts., Maison Blanche Bldg.

La., New Orleans—John Locantro, 4938 Prytania St., plans residence, Louisiana Avenue Pkwy.

La., New Orleans—M. Raitman, 1524 Baronne St., erect two \$8000 duplexes, Adams St., near Pearl St.; composition roofs.

Md., Baltimore—J. Hurst Purnell, Ruxton Ave., erect 6 frame dwellings, 4400 block Keswick Ave.; 1½ stories; total cost \$15,000.

Md., Baltimore—Wm. Kneis, 4705 Ready Ave., erect 6 dwellings, Willow Ave. near Locust Drive; 2 stories; total cost about \$20,000.

Md., Baltimore—John E. Cross, Maryland Trust Bldg., purchased dwelling, 215 Club Road, Roland Park, lately damaged by fire; will rebuild.

Md., Baltimore—John J. Requardt & Bro., 1446 N. Gay St., erect 2 cottages, Poplar Ave. near Belair Rd.

Miss., Sarah—Bedford Floyd erecting English type cottage; brick and stone; Jas. J. Broadwell, Archt., Cotton Exchange Bldg., Memphis, Tenn.

Miss., Vicksburg—Dyer Realty Co., W. Grayson Dyer, member, Merchants Natl. Bank Bldg., erect bungalow, Zollinger tract, Jackson Rd.

Mo., Clayton, St. Louis—P. B. Behr, Boatmen's Bank Bldg., St. Louis, erect \$10,000 residence, Wydown Terrace.

Mo., Clayton, St. Louis—Wm. Blelock erect \$12,500 residence, 7349 Norwood St.

Mo., Clayton, St. Louis—Virginia Cook erect \$14,000 residence, 9 Moorland Park.

Mo., Clayton, St. Louis—Mrs. J. S. Duncan, 5837 Plymouth Ave., St. Louis, erect \$10,000 residence, 543 Central St.

Mo., Clayton, St. Louis—Harry F. Tackle erect \$18,000 residence, block 3, Ellenwood.

Mo., Clayton (St. Louis)—Richard Pendergast, 6610 Enright Ave., erect \$22,000 brick residence and garage, Price Ave., Litzinger Estate; 71x32 ft.

Mo., Kansas City—Harry Douglas, 7112 Washington St., erect residence, 438 W. 67th Street Terrace.

Mo., Kansas City—F. A. Graham, 4947 Troost St., erect residence, 27 W. 69th St.

Mo., Kansas City—J. H. Kelley & Son, 6301 Walnut St., erect 4 dwellings, 6326-30-36-40 Grand Ave.; total cost \$16,000.

Mo., Kansas City—Lafe Griffith erect 4 dwellings, 4033-39 Indiana St.; total cost \$12,000.

Mo., Kansas City—O. S. Gunn, 822 N. Y. Life Bldg., erect 3 dwellings, 430 W. 68th Street Terrace and 3515-17 Mersington St.; total cost \$15,000.

Mo., Kansas City—Roy W. Howery erect residence, Linden Rd. and 67th St.

Mo., Kansas City—J. E. Johnson, 80th and State Line, erect residence, 305 E. 66th Street Terrace.

Mo., Kansas City—J. C. Nichols Investor Co., 911 Commerce Bldg., erect number duplexes, Meyer Blvd. district, E. of Oak St.

Mo., Kansas City—Frank Youngs erect residence, Grand Ave. and 67th St.

Mo., Kansas City—O. F. Hansing erect \$15,000 residence, 5347 Lydia Ave.

Mo., Kansas City—Jordan Realty Co. erect 2 dwellings, 109-15 W. 69th St.; total cost \$10,000.

Mo., Kansas City—Black & Smith erect 2 dwellings, 5418-22 Michigan St.; total cost \$10,000.

Mo., Kansas City—H. L. Clarke, 6628 Park St., erect 3 dwellings, 6613-15-17 Park St.; total cost \$10,000.

Mo., Kansas City—J. E. Eldridge erect 2 dwellings, 4935-39 State Line St.; total cost \$10,000.

Mo., Kansas City—Paul Ferguson, 407 Victor Bldg., erect 3 dwellings, 6612-16-18 Olive St.; total cost \$10,000.

Mo., Kansas City—R. L. Kerlin, 11 W. 58th St. Terrace, erect \$10,000 residence, 7314 Bellevue St.

Mo., Kansas City—A. W. Schulthesis erect \$10,000 residence, 434 W. 69th St.

Mo., Kansas City—A. J. Wegley erect 3 dwellings, 1428 66th St. and 6514-18 the Paseo; total cost \$10,000.

Mo., Springfield—T. J. Harris erect 3 brick dwellings, Cherry St. and 1 S. Florence St.

Mo., Springfield—C. H. Swan erect 2 brick dwellings, 600 block Pickwick St.

Mo., Springfield—T. J. Harris erect 4 brick bungalows.

Mo., St. Louis—Louis Horen, 722 Chestnut St., erect 5 brick and 3 granite bungalows, Hampton and Lizette Aves.

Mo., St. Louis—Louis L. Horen, 722 Chestnut St., plans 5 brick and 3 granite bungalows, Hampton and Lizette Aves.

Mo., Springfield—S. H. Swah erect 3 brick dwellings.

Mo., University City (St. Louis)—Eugene R. Smith erect residence, Cornell Ave. near Bryn Mawr.

N. C., Asheville—E. W. Grove, 43 N. Liberty St., erect residence, Grovemont.

N. C., Asheville—Brown Realty Co., 1 N. E. Pack Sq., W. B. Nixon, 30 King St., and Howard A. Wright, Brownstown Rd., Bldrs. erect 30 dwellings, Morningside.

N. C., Asheville—G. W. Whittaker plans 5 dwellings, Morningside.

N. C., Charlotte—Cameron Morrison, Johnston Bldg., erect residence, Sharon Rd., after plans by H. T. Lindberg, Archt., 2 W. 47th St., New York, cost \$250,000; Tudor type, conservatory, sun parlor, library; John Nolan, Landscape Archt., Cambridge, Mass.; bds. opened.\*

N. C., Thomasville—M. B. Hite, Prop., Star Furniture Co., reported erect residence, Salem St.; probably brick veneer.

N. C., Winston-Salem—Shaffner Estate and L. C. Oakley, Woolworth Bldg., erect number 5- to 7-room suburban dwellings, connec-

tion with 30-acre development, National Highway No. 75 near Winston-Salem.

Okla., Oklahoma City—R. J. Ward erect 3 dwellings, E. 18th St.; total cost \$11,000.

Okla., Tulsa—J. L. Gartner, Petroleum Bldg., erect \$21,500 stone residence, 1206 E. 21st Place.

Okla., Tulsa—G. Y. Parrish, 257 W. 12th St., erect \$15,000 residence, 2160 S. Norfolk St.; 2 stories, brick.

Okla., Tulsa—B. G. Whitestine, 2235 E. 12th Place, erect \$14,000 residence, 1260 E. 26th St.; 2 stories, brick.

S. C., Greenville—T. O. Lawton, Pres., Pioneer Life Insurance Co., Woodside Bldg., and associates plan number dwellings in connection with development of residential resort.

Tenn., Fountain City, Knoxville—W. E. Cooper Realty Co., 325 W. Clinch St., Knoxville, erect 15 to 25 small dwellings, connection with development; frame, composition roofs; contracts not let.

Tenn., Knoxville—Raymond Fry erect brick veneer English type cottage, Island Home park; hardwood floors, rough plaster walls; C. J. Murray, Archt.

Tenn., Knoxville—J. K. Craig, Vestal St., erect Spanish type residence; Barber & McMurry, Archts., General Bldg.; landscaping plans by Chas. F. Lester, General Bldg.; 2-acre lake with swimming facilities, flower garden and alley, rock garden with pools.\*

Tenn., Knoxville—C. S. Kincaid erect Dutch Colonial residence; Barber & McMurry, Archts.; Chas. F. Lester, Landscape Archt., both General Bldg.

Tex., Harlingen—L. R. Hollingsworth have plans ready about March 19 for bids on Spanish type residence; hollow tile and brick, concrete foundation, cost about \$20,000; Harvey P. Smith, Archt., Nat. Bank of Commerce Bldg., San Antonio.

Tex., Houston—Alvin B. Beyer, 404 Bayland Ave., erect English type residence, Riverside Terrace; 8 rooms, brick veneer; Brickey, Wiggins & Brickey, Archts., State Natl. Bank Bldg.

Tex., Houston—Ben Campbell, 1012 Crawford St., erect \$30,000 duplex, Crawford St. near McGowen Ave.; 2 stories, hollow tile and brick; Jas. Ruskin Bailey, Archt., 1606 Main St.

Tex., Houston—D. P. Johnson erect English type residence, Winlow Place; 12 rooms, brick veneer; Brickey, Wiggins & Brickey, Archts., State Natl. Bank Bldg.

Tex., Houston—Franklin Building Co. erect brick veneer dwellings, 920 Pecore St. and 943 Redan St.; total cost \$11,000.

Tex., Houston—M. B. Leach, 51 N. E. Paige St., plans residence, Dunston Rd., near Whitley St., Southampton.

Tex., Houston—B. P. Panas, Cotton Exchange Bldg., erect \$10,000 granite veneer residence and garage, 2015 W. Alabama St., Dearborn Place addition: 8 rooms.

Tex., Lampasas—B. C. Womack, E. M. Winkenbach and others, to supervise erection of parsonage for Briggs circuit.

Tex., San Antonio—J. H. Shary erect 3 frame dwellings, Sharyland; 4 and 5 rooms; Harvey P. Smith, Archt., Nat. Bank of Commerce Bldg.

Va., Richmond—J. H. Newman, 1419 W. Main St., erect \$11,700 brick residence and garage, 4423 Crutchfield St.

Va., Richmond—Amelia E. Harris erect brick residence, 3550 Hermitage Rd.; cost about \$10,000.

W. Va., Dunbar—Kanawha Valley Home Builders, Inc., Charleston, erect 15 2-story dwellings between Broad and Wall Sts.

#### Government and State

Fla., Tallahassee—State, C. W. Hunter, Supervisor, Industrial Div. of State Institutions, has plans by Rudolph Weaver, Director of School of Architecture, University of Florida, reported considering sites for proposed stores, concrete.

Tenn., Tullahoma—State, Wm. C. Boyd, Adjt. Gen., Nashville, erect about 40 wooden buildings for permanent National Guard camp; concrete and wood floors, concrete foundations, 4-ply composition roofs; total cost \$64,800; will let contracts, as whole or in part, in early part of April; also install 10-in. well 108 ft. deep, cost about \$18,000; Francis J. Wilson, 2d Lieut., U. S. A., Nashville, engineer.

#### Hospitals, Sanitariums, Etc.

D. C., Washington—United States Veterans Bureau, Frank T. Hines, Director, call for

bids in few days, to be opened about 30 days later, for 11 buildings at Walter Reed Hospital; brick, stone trim, 2 and 3 stories, connected by corridors.\*

Fla., Homestead—City Council plans \$50,000 hospital; 22 beds, emergency wards, operating rooms. Address Dr. J. A. Smith.

Miss., Greenville—Kings Daughter's Circle, Fred Schelben, Chmn., Bldg. Comm., receives bids April 1 at Greenville for 100-bed hospital; cost \$210,000, reinforced concrete skeleton, tile curtain walls, stucco, 4 stories, 180x42 ft., concrete and terrazzo floors, spread footing foundation, concrete slab and built-up roof, interior tile, plaster board, ventilators, furnishings, equipment, etc., \$60,000; further information from Walter F. Schultz, Archt., 870 Shrine Bldg., Memphis, Tenn.\*

Mo., Joplin—St. Johns Hospital erect addition, 23rd St. near Connor Ave.

S. C., Greenville—W. W. Burgiss Foundation receives bids April 1 (extended date) at office Beacham & LeGrand, Asso. Archts., 17-A North St., for Shrine Hospital for Crippled Children, National Highway near Greenville; cost \$350,000, 145x348 ft., central section 3 stories, wings 2 stories; Hentz, Reid & Adler, Archts., 92½ Forsyth Bldg., Atlanta, Ga.\*

W. Va., Fairmont—Cook Hospital raising funds to repair building and install new equipment.

#### Hotels and Apartments

Ala., Anniston—W. P. Acker, owner of Oxanna Hotel, reported to replace with new building, advises: "No plan to rebuild in near future."

Ala., Birmingham—P. P. Aldridge, 1603 Cleveland Ave., erect \$10,000 apartment house, 25th St. and 17th Ave. S.

Ark., Fayetteville—E. M. Ratliff, Box 522, preparing plans for \$15,000, 2½-story, brick and stucco, 36x72-ft. apartment house; asbestos roof, stone foundation.

Ark., Paris—R. C. Parker announced immediate construction of annex to recently completed Washington Hotel; 60 rooms.

Fla., Arcadia—F. H. DeLoach has plans in progress by J. C. Harris for apartment house at Villa Rica.

Fla., Avon Park—James Donnelly reported planning to erect apartment house at Highland Lake.

Fla., Fort Lauderdale—Florida Hotel Assn., Inc., care Arthur H. Wagener, 236 W. Flagler St., Room 209-11, Miami, has plans in progress; receive bids about March 22 for 3-story, steel and concrete, 145x100 ft. hotel, Biscayne Park and Country Club Estates; steel or wood joist floors, composition roofing, concrete foundation; F. J. McFadden, Archt., care owners. (See Machinery Wanted—Flooring; Metal Doors, Sash and Trim; Tile; Incinerators; Rolling Partitions; Mail Chutes; Vaults and Vault Lights; Ventilators; Sprinklers; Marble; Cast Stone; Terra Cotta Trim; Limestone; Concrete Mixers; Contractors' Tools and Equipment; Hoist; Transit and Level; Woodworking Machinery.)\*

Fla., Lake Helen—Florida-Pennsylvania Land Co., Inc., R. A. Bitting, Pres.; J. A. Ross, Vice-Pres., 2017 N. Broad St., Philadelphia, Pa., plans to erect hotel in connection with development.

Fla., Miami—O. R. Bacom, 325 S. W. Ninth St., erect 2-story, 8-family apartment house, S. W. Ninth St.

Fla., Miami—Miami General Contracting Co. erect \$25,000, 1-story, 19-unit apartment house, S. W. 17th Ave. and 19th St.

Fla., Miami—John D. Dorn, Dorn Apartments, erect \$60,000, 3-story, 57-room apartment house, S. W. South River Drive.

Fla., Miami—Nathan Neufeld, 806 S. W. 13th St., owner of Ritz and Royalton Hotels, reported contemplates erecting \$1,000,000, 16-story hotel building, N. E. First Ave. and Ninth St.; lower stories for business purposes; Sajo, Wank & Berz, Archts., Olympia Bldg.

Fla., Orlando—B. C. Curry, Winter Park Rd., plans to erect \$150,000, 2-story, tile and stucco, 40-apartment building, 209 E. Colonial Drive.

Fla., Palatka—Palatka Hotel & Industrial Co. organized for financing erection \$500,000, 150-room hotel.

Fla., Sarasota—Hal Morrison, Inc., plans erection of apartments; Clare Hosmer, Archt.

Fla., St. Augustine—Bond Howell Lumber Co., 142 Riberia St., erect \$15,000 apartment and garage.

Fla., Tampa—J. H. Woods erect \$25,000 apartment house, Prado Blvd.

Fla., Tampa—Ed. Hayman heading syndicate, purchased corner Cleveland and Edison if the Manufacturers Record is mentioned.

## CONSTRUCTION DEPARTMENT

## Manufacturers Record

Sts., in Hyde Park section, reported to erect \$300,000 apartment building.

Ga., Fitzgerald—C. A. Holtzendorf, Miami; G. W. Farris, Clearwater, and E. W. Hinkle and W. E. Medearis, St. Petersburg, all Florida, reported considering sites for proposed 75-room hotel.

Ga., Savannah—J. B. Pound, Pres. of Pound Hotel Co., operators of Hotel Savannah, announced plans for \$450,000, steel and concrete, 150-room annex, on Congress St.

Ga., Macon—Highlands Hotel Co., T. J. Carling, Pres., 702 Mulberry St., plans erection of \$550,000 5-story, brick and concrete, fireproof, 200-guest room hotel and golf links; concrete floors and foundation, tile roofing, equipment and furnishings cost \$125,000; architect not yet selected.\*

La., New Orleans—Hyman Rabinowitz, Strand Bldg., will replace Marx mansion, St. Charles Ave. and Third St., with apartment building.

Md., Frederick—Michael J. Croghan, Propr. of Hotel Frederick, open bids May 1st for addition of 47 sleeping rooms, 10 baths; running water in all remaining rooms, new dining room, kitchen, enlarge present lobby, terrazzo floors and other improvements in present building, new furniture. (See Machinery Wanted—Metal Ceilings, Sash and Trim; Wire Glass; Ventilators; Terrazzo Flooring; Concrete.)

Miss., Hattiesburg—Hotel Hattiesburg, Joseph T. Harrison, Mgr., will add 2 more stories.

Miss., Pass Christian—Capt. S. L. McElroy has plans and specifications ready for contract bids in 3 weeks, for \$500,000, 5-story, brick and stone trim hotel; 200 rooms and baths, pile foundation, 3 electric passenger elevators, composition roof, steam heat; Walter Cook Keenan, Archt., Liverpool and London and Globe Bldg., New Orleans, La.

Mo., Kansas City—Phillips Building Co., 609 Victor Bldg., erect \$75,000, 4-story, brick and concrete, 52x126 ft. apartment building, 410 W. 47th St.; stone foundation complete, equipment and furnishings cost \$25,000; N. E. Peters, Archt., Orear-Leslie Bldg. (See Machinery Wanted—Tile; Flooring; Metal Ceilings; Metal Doors; Plaster Board; Electric Refrigerators; Cast Stone; Terra Cotta Trim.)\*

Mo., St. Louis—H. C. Koenig, 3663 Kosciusko St., erect seven 2-story, brick, 34x52-ft. tenements, 5301-25 Michigan St.; \$70,000, hot air heat, rubberoid roofs; plans by owner.

Mo., St. Louis—Sam Hamburg, Jr., Arcade Bldg., heading syndicate, purchased S. W. cor. Union Blvd. and Savoy Court, plan immediate erection of \$600,000, 6-story, semi-fireproof building; stores on first floor, 40 apartments above; garage on rear of site.

Mo., St. Louis—A. Mayer Realty Co., 4612 Gravois St., has completed plans and specifications for \$180,000, brick with terra cotta trim apartment building, Grand Blvd. and Alberta Ave.; consist of 4 and 5 room efficiency units.

Mo., St. Louis—Charles E. Richardson, International Life Bldg., has plans in progress for 3-story, fireproof, \$140,000 building, N. E. cor. Delmar Blvd. and Heman Ave.; contain 4 stores and 3 room efficiency apartments.

N. C., Dunn—George F. Bund, Arthur Pope and L. A. Tari will furnish lot and subscribe \$30,000 in stock toward 40-room, fireproof hotel, Cumberland St. and Clinton Ave.; Chamber of Commerce promoting.

N. C., New Bern—Morehead Bluffs Hotel Co., W. N. Howard, Vice-Pres., asking for proposals for erection of \$125,000, steel frame, hollow tile and stucco, 4-story hotel at Morehead Bluffs; equipment and furnishings cost \$50,000; Benton & Benton, Archts.-Engrs., Wilson. (See Machinery Wanted—Flooring; Tile; Metal Ceilings; Steel Sash and Trim; Electric Refrigerators; Mail Chutes; Dumb Waiters; Vaults; Vault Lights; Ventilators; Terra Cotta Trim.)\*

Okl., Tulsa—Carter D. Davis erect \$10,000, 2-story apartment house, 1401 S. Troost St.

S. C., Orangeburg—Rotary and Lions Clubs and Young Men's Business League considering sponsoring erection of \$300,000 hotel; Hockenberry System, Inc., Harrisburg, Pa., will conduct campaign.

Tenn., Chattanooga—E. D. Early & Co., Park St., erect \$13,000, 2-story tenement, Baldwin St.

Tenn., Lenoir City—Chamber of Commerce, Dr. C. E. Morelock, Pres., completed negotiations for site 75x140 ft. at Broadway and Avenue A, for \$200,000, 4-story, brick hotel.

Tenn., Maryville—Montvale Springs Co., Inc., C. W. Henderson, Jackson and Central

Sts.; Harley G. Fowler, Knoxville and Maryville; Charles L. Stephens, 394 E. Trigg St., Memphis, plans to erect hotel, also improve, redecorate and equip present hotel.

Tex., Amarillo—J. S. Paschall has plans in progress by J. Roy Smith, 310 Blackburn Bldg., for \$55,000, 3 story, brick and concrete, 56x55-ft. apartment building.

Tex., Austin—F. B. Horton, 104 Stone St., Dallas, has completed plans by D. D. Swindle, 317 North Texas Bldg., Dallas, for \$28,000, 2-story, brick veneer, 36-room apartment building.

Tex., Corpus Christi—Peter M. Chamberlain erect Spanish style hotel to contain offices, dining rooms and parlors, in connection with development of Spanish village; erect 2 and 3 room cottages around main structure; George Willis, Builders Exchange Bldg., San Antonio, and St. Cyr Barrington, 1024 Vermont Ave. N. W., Washington, D. C., Archts.

Tex., Dallas—Jerry T. Beck erect \$10,000, 10-room, brick veneer, 2-apartment houses, 4006-8 Wycliff St.

Tex., Dallas—W. B. Bryan, 6226 Goliad St., erect \$17,500, 20-room, brick veneer, 4-apartment house, 305-7 W. Tenth St.

Tex., Dallas—R. H. Clem, 5500 Gaston St., erect 2 16-room, brick veneer, 4-apartment houses, 4013-19 Herschel St.; \$16,000.

Tex., Dallas—Louis Jenicke erect \$14,000, 20-room, brick veneer, 4-apartment house, 438-40 W. Tenth St.

Tex., Dallas—Oak Cliff Building Co., 409-11 E. 12th St., erect \$27,000, 32-room, brick veneer, 8-apartment building, 409-11 E. 12th St.

Tex., Dallas—H. H. Page, 211 S. Tyler St., erect \$35,000, 48-room, brick veneer, 16-apartment building, 1332 Kings Highway.

Tex., Dallas—J. L. Simpson, 4701 Gaston St., erect \$10,000, 10-room, brick veneer, 2-apartment house, 4222-4 Hawthorn St.

Tex., Dallas—John W. Woods, Magnolia Bldg., make addition and remodel 4-apartment house, 4513 Gaston St.; \$12,500.

Tex., Edinburg—Edinburg Hotel Co. soon let contract for \$200,000, 100-room, 4-story, brick and reinforced concrete hotel building.\*

Tex., Galveston—H. L. Stelzig erect \$14,650, brick veneer, 4-apartment building, 1519 Indiana St., Hyde Park addition.

Tex., Houston—Mrs. S. A. McMeans has plans by J. W. Northrop, Jr., for 2-story, brick veneer, 4-apartment building, Chelsea Ave. and Louisiana St.

Tex., Houston—F. S. Price, 1433 Hall Place, erect two \$9000, 2-story, brick veneer, 4-apartment houses, 1216-18 Waugh Drive.

Tex., Houston—H. F. Price, 630 W. 21st St., erect \$20,000, brick veneer, 36-room, 8-apartment house, 4713 Fannin St.

Tex., Houston—Fay West, 415 Fairview Ave., erect \$12,000, 2-story, 24-room, 8-apartment house, 2303 Stamford St.

Tex., Laredo—B. F. Black, Savoy Hotel, San Antonio, leased Bender Hotel; reported to erect addition.

Tex., Nacogdoches—J. H. Buchanan, owner of Redland Hotel, heading stock company planning to erect new building on site of present hotel; \$200,000, 5 or 6 stories.

Tex., Rockport—Dr. J. M. Head, Southern Apts., Houston, promoting organization of stock company for erection of \$150,000, 100-room hotel on site offered by S. Lightburne, San Antonio.

Tex., Weslaco—George Schreer, Dallas, will erect \$150,000 hotel, citizens to raise \$25,000 bonus and furnish site.

## Miscellaneous

Fla., Daytona Beach—S. J. Peabody, 126 Halifax Ave., announced plans for extensive improvements to Auditorium.

Fla., Plant City—H. W. J. Russell, director of sales of Florida Security Sales Corp., accepted plans for clubhouse on Lake Walden, West Plant City.

Fla., St. Petersburg—C. Perry Snell, 12 Fourth St. N., donated site on Snell Isle, corner Snell Isle Bldg. and Palmera Way, to club women of St. Petersburg for proposed \$150,000 clubhouse.

Fla., St. Augustine—J. P. Holbrook, Sec. & Treas. of Orlando Orange Groves Co., announced erection of \$100,000 clubhouse and \$50,000 golf course in Lake Avalon.

Fla., St. Petersburg—McAdoo Interests, developers of St. Petersburg Beach Properties, announced plans for enlargement of St. Petersburg Beach Casino; include restaurant, 720 bath houses, promenade, etc.

Ga., Griffin—High Falls Fishing Club, O.

W. Sibley, Pres., reported planning to erect clubhouse.

Ga., Savannah—Order of Railway Conductors, L. E. Sheppard, Pres., Cedar Rapids, Ia., selected Savannah as site for home for aged and infirm members.\*

Ga., Sparta—Hancock County Fair Assn. plans erection of exhibit building.

Ga., Tifton—Tifton Country Club planning to erect clubhouse.

Ky., Owensboro—City, John D. Howard, Commissioner, receives bids until March 19 for construction of timber frame, galvanized iron building; 50x72 ft.; plans and specifications at Mayor's office.

Mo., St. Louis—Engineers' Club, J. L. Hampton, Pres., 3817 Olive St., purchased residence, 4359 Lindell Blvd.; make extensive improvements.

N. C., Falcon—Falcon Camp Meeting Assn., J. A. Culbreth, Pres., plans rebuilding camp meeting auditorium recently burned.

N. C., Hickory—Community Club raise funds this summer to finance club building on lot 100x200 ft. in Carolina Park, offered by City Council.

N. C., Morehead City—Larry B. West, Hudson Apts., Kinston, N. C., and Chattanooga, Tenn., plans erection of \$100,000, 120x150-ft. clubhouse at Bogue Park.

Okla., Oklahoma City—Oklahoma Gas & Electric Co., J. F. Owens, Vice-Pres. & Gen. Mgr., plans development of resort at Horse-shoe Lake; erect guest house, women's rest room, cottage, etc.

S. C., Caesar's Head—T. O. Lawton, Pres. of Pioneer Life Insurance Co., and associates erect community clubhouse in connection with Pioneer Park residential development.

Tex., Dalhart—Dalhart Country Club decided to erect \$10,000 clubhouse this spring.\*

Tex., Dallas—Dallas Art Assn., Mrs. George K. Meyer, Pres., 801 Browder St., planning to erect \$300,000 Municipal Art Museum; Henry Coke Knight, Wilson Bldg.; Eli Sanger, 1011 S. Erway St., and others on Building Committee.

Tex., Natalie—W. A. Trimpe, Maverick Bldg., soon have completed plans by Albaugh & Steinbomer, 941 Austin St., both San Antonio, for \$20,000, 3-story, Spanish type frame and stucco building, Gentleman's Country Estate, near Natalie.

Va., Richmond—Virginia State Fair Assn., W. B. Wood, Pres., Mutual Bldg., contemplate erecting \$50,000 stadium at Fair Grounds.

Va., Richmond—Jake Wells, Pres. of Mayo Park, Inc., replace wooden grandstand at Mayo Island with \$35,000 to \$40,000, steel frame structure.

W. Va., Huntington—Walter H. Farrell, 718 Fourth Ave., plans erection of funeral home at 20 Fourth Ave.

## Railway Stations, Sheds, Etc.

Miss., Clarksdale—Illinois Central Railroad, F. L. Thompson, Ch. Engr., Chicago, Ill., reported to erect new railway station with elevations to cost \$700,000.\*

## Schools

Ala., Anniston—Calhoun County Board of Education, Prof. S. B. Gibson, Supt., purchased site for proposed \$12,000 Eulaton Consolidated School building.

Ark., Jonesboro—Jonesboro College, G. W. Puryear, Pres. Board of Trustees, soon start work on Girls' Dormitory; \$28,000 raised toward fund; R. H. Hunt, Archt., James Bldg., Chattanooga, Tenn.\*

Fla., Crescent City—Putnam County Board of Public Instruction, Dr. L. W. Warren, Chmn., Palatka, receives bids until April 7 for erection of school; Mark & Sheftall, Archts., Clark Bldg., Jacksonville.\*

Fla., Dade City—Trustees of Special Tax School District No. 7, W. V. Gilbert, Chmn., receives bids until March 25 for erection of first unit of elementary school building; plans and specifications may be obtained from M. Leo Elliott, Inc., Archts., Citizens Bank Bldg., Tampa.\*

Fla., DeLand—DeLand School District voted \$600,000 school improvement bonds; address George W. Marks, Volusia County Board of Public Instruction.\*

Fla., Floral City—Citrus County Board of Public Instruction, Jessie Montague, Sec. and Supt., Inverness, receives bids until March 30 for erection of \$30,000 school at Floral City and \$35,000 school at Lecanto; plans and specifications may be obtained from George MacKay, Archt., Ocala.\*

Fla., Fort Myers—Lee County Board of Public Instruction call elections April 13 on if the Manufacturers Record is mentioned.

\$983,000 bonds for expansion in 4 districts as follows: School District No. 1, which includes Fort Myers, \$850,000; Alva-Olga District \$38,000; Estero-Iona District \$50,000; Bonita Springs District \$25,000.\*

Fla., Jacksonville—Duval County Board of Public Instruction, G. Elmer Wilbur, Supt., receives bids until April 13 for erection of 2 auxiliary Junior High School Buildings, one on Myra St. between Stockton and Barrs Sts.; other on 11th St. between Main and Hubbard Sts., in Special Tax School District No. 1; plans and specifications may be obtained from Mellon C. Greeley, Archt., 111 W. Adams St.

Fla., Jasper—Hamilton County Board of Public Instruction receives bids until April 14 for erection of school building for Special Tax School District No. 1, after plans by S. J. Welch, Archt., Pensacola; plans and specifications may be secured from W. W. Bradshaw, Supt.

Fla., Lady Lake—See Fla., Tavares.

Fla., Lecanto—See Fla., Floral City.

Fla., Marianna—Jackson County Board of Public Instruction call election April 13 on \$12,000 school bonds.\*

Fla., Pensacola—Escambia County Board of Public Instruction and Trustees of Special Tax School District No. 16 call election within 2 or 3 months on \$800,000 school improvement bonds.\*

Fla., Sebring—Baptist associations of South Florida accepted offer of 120-acre tract fronting on scenic highway and Red Beach Lake and \$500,000 cash, by Senator E. J. Etheredge and others, for \$500,000 Junior Baptist College; Rev. P. C. Barckley, Lakeland, Chmn. Board of Trustees, and Rev. W. A. Davis, Clearwater, Sec.

Fla., Tavares—Lake County Board of Public Instruction, D. H. Moore, Supt., let contracts about April 5 for \$30,000, hollow tile with stucco finish grade schools at Lady Lake and Altoona.\*

Ga., Atlanta—Committee, including Councilmen B. T. Huiet and John A. White, asked Fulton County Commissioners to appropriate \$25,000 toward remodeling city stockade building into grammar school; \$25,000 available.

Ga., Fairburn—Fairburn School District voted \$45,000 school bonds. Address Campbell County Board of Education.\*

Ga., Fitzgerald—Board of School Trustees receives bids until March 25 for brick and brick veneer, 6 and 8 classroom buildings and auditorium annex to seat 700; T. F. Lockwood, Archt., 211-2 Murrah Bldg., Columbus, Ga.\*

La., Baton Rouge—Building Committee of School District No. 1, East Baton Rouge Parish, W. H. Perkins, Chmn., receives bids until April 5 for 2-story, brick elementary school in Bernard Terrace; Wogan & Bernard, Archts., Title Guarantee Bldg., New Orleans, and Old Raymond Bldg., Baton Rouge.

La., Port Allen—West Baton Rouge Parish School Board receives bids until March 29 for 1-story, frame school building; plans and specifications may be obtained from J. H. Bres, Supt.

La., Shreveport—Caddo Parish School Board opened bids for erecting concrete and steel athletic stadium at C. E. Byrd High School; W. G. Butler low bidder at \$42,000; Edward F. Neild, Archt., Merchants Bldg.\*

La., Simmesport—Avoyelles Parish School Board, Marksville, has completed plans by Wm. T. Nolan, Canal-Commercial Bldg., New Orleans, for 1-story, frame school, to have 7 classrooms, cloak rooms and 2 auditorium rooms.

Md., Hagerstown—St. James' School, Adrian Onderdonk, headmaster, plans rebuilding after recent \$100,000 fire.

Miss., Hattiesburg—Sunrise community voted \$17,000 bonds for erecting consolidated school. Address Board of Education.

Miss., Lyman—Lyman Separate School District voted \$45,000 bonds for new consolidated school and teacher's home. Address Harrison County Board of Education, Gulfport.\*

Miss., Osyka—Mayor and Board of Aldermen call election April 6 on \$10,000 bonds for improving and enlarging school building.

Miss., Pass Christian—City voted bonds, including \$20,000 for new school for colored. Address School Board.

Miss., Port Gibson—Trustees of Consolidated School in District 3, and Claiborne County Board of Education receive bids until March 20 for new school building.

Mo., Columbia—Board of Education selected Wm. B. Ittner, Board of Education Bldg., St. Louis, prepare plans for \$326,000 High School building.\*

Mo., Salisbury—Board of Education reported to erect \$50,000 high school building.

Mo., Webb City—Board of Education soon call \$30,000 bond election for rebuilding West Side School.

N. C., Asheville—Buncombe County Board of Education, W. C. Murphy, Supt., receives bids until March 22 for erection of \$100,000 school on Appalachian Highway, to be known as Flat Creek School; plans and specifications may be obtained from William H. Lord, Archt., 17½ Church St.\*

N. C., Charlotte—Mecklenburg County erect \$20,000 fireproof addition to Industrial Home; Alfred W. Brown, Chmn., Executive Board.

N. C., Gastonia—Gaston County Board of Commissioners, L. E. Rankin, Clerk, will call following elections on April 9: Mount Holly Graded School District, No. 4, River Bend Township, on \$30,000 bonds; Dallas Graded School District, No. 1, Dallas Township, on \$30,000 bonds; Belmont Graded School District, No. 2, South Point Township, \$50,000 bonds; for acquiring, erecting, enlarging, altering and equipping school buildings.

N. C., High Point—T. Wingate Andrews, Supt. of Public Schools, have plans and specifications ready for contract bids on April 1 for \$400,000 High School building; Harry Barton, Archt., Jefferson Bldg., Greensboro.\*

N. C., Kinston—Lenoir County Board of Education considering sites on Woodington and Deep Run, for new consolidated schools to cost \$30,000 and \$50,000.\*

N. C., Marshall—Madison County Board of Education, O. S. Dillard, Supt., receives bids until March 22 for 20-room and auditorium, brick school building; plans and specifications may be obtained from Frank B. Simpson, Archt., 412 Masonic Temple Bldg., Raleigh.

N. C., Raleigh—City votes April 20 on \$1,300,000 school bonds; H. F. Srygley, Supt. City Schools.\*

S. C., Greenville—Greenville County Board of Education, Robert L. Meares, Jr., Supt., plans erection of school building for Paris and Southern Worsted Mills school districts.

Tenn., Dyersburg—City voted \$25,000 bonds for erecting and equipping gymnasium. Address Board of Education.

Tenn., Memphis—Board of Education, G. W. Garner, Sec., receives bids until March 22 for erection of Carnes School building; separate bids on general, heating, plumbing and wiring; plans and specifications may be obtained from Joe T. Wallace, Archt., Bank of Commerce Bldg.

Tenn., Sevierville—Murphy Collegiate Institute contemplates erecting 4 additional units to cost \$40,000 each.

Tex., Abilene—Abilene Christian College plans erection of \$150,000 administration building, to contain auditorium with seating capacity of 2000 to 2500.

Tex., Abilene—Board of Education, Ben L. Cex, Sec., has completed plans by David S. Castle Co., 701-4 Alexander Bldg., for \$42,000, 3-story, fireproof, 32x60 ft., brick and reinforced concrete High School building.

Tex., Amarillo—Amarillo Independent School District voted \$140,000 school bonds. Address Board of Trustees.\*

Tex., Austin—Texas Lutheran College Board of Control, Rev. K. G. Manz, Sec., 603 E. 16th St., opened bids for erecting 1½-story, fireproof, 190x50 ft. dormitory and classroom building; tile roof, concrete foundation; H. E. Wattinger, low bidder at \$69,945; Harvey P. Smith, Archt., 310 Natl. Bank of Commerce Bldg.; W. E. Simpson Co., 412 Natl. Bank of Commerce Bldg.; both San Antonio. (See Machinery Wanted—Tile: Flooring; Steel Sash and Trim; Electric Refrigerators; Ventilators; Cast-Stone.)\*

Tex., Beaumont—St. Anthony's Parish Catholic Church, Very Rev. E. A. Kelly, Pastor, receives bids until March 30 for 3-story, reinforced concrete, \$85,000 High School building; plans and specifications may be obtained from A. Babin, Archt., Room 15, N. Blanchette Estate Bldg.\*

Tex., Brownsville—City soon vote on \$100,000 bonds for new school and enlarging and improving present schools; Thomas J. Yoe, Supt. of City Schools.

Tex., Cotulla—Los Angeles District No. 9, LaSalle County, G. E. Gustafson, Sec., has plans in progress by Henry T. Phelps, Hicks Bldg., San Antonio.

Tex., Fort Worth—Commissioners' Court authorized election in Birdville common school district for April 13 on \$12,000 bonds for school building.

Tex., Houston—Board of Education Houston Independent School District, H. L. Mills, Business Mgr., 1600 Washington Ave., P. O. Box 1226, receives bids until March 20 for

erecting, heating and plumbing and electric work on 8-room addition at Jack Yates Colored High School; also same date for erecting auditorium at Sidney Lanier Junior High School; plans and specifications may be secured from R. D. Steele, Archt., 510 First Natl. Bank Bldg.; receive sealed bids for Domestic Science Equipment for 7 high schools on same date.

Tex., La Porte—Rev. L. J. Reicher, 1411 I St., Rev. M. S Chataignier and Bayliss E. Harris, all Galveston, compose committee to raise \$200,000 for erection of memorial building at St. Mary's Seminary, in honor of late Monsignor Kirwin.

Tex., Mount Pleasant—Mount Pleasant School District voted \$100,000 school bonds; address Board of Trustees.

Tex., O'Donnell—Town voted \$65,000 bonds for new high school. Address Board of Education.\*

Tex., San Benito—Board of Education selected Harvey P. Smith, Archt., Natl. Bank of Commerce Bldg., San Antonio, for \$150,000 school improvements; contemplates bond election soon.\*

Tex., Tahoka—Tahoka Independent School District voted \$100,000 school bonds; address Board of Trustees.\*

Tex., Waco—Baylor University, Mrs. George W. Truett, member executive board, has plans by Birch D. Easterwood for \$350,000 women's dormitory.\*

Tex., Wylie—Wylie School District votes March 27 on \$40,000 bonds for new school building. Address Board of Trustees.

Va., Danville—School Board receives bids until April 1st for 12-room Westmoreland colored school on Holbrook Ave.; \$85,000 contemplated; Charles M. Robinson, Archt., Times-Dispatch Bldg., Richmond.

Va., Martinsville—Henry County School Board contemplates \$250,000 bond election for new building and repairs to present schools.

Va., Charleston—State Board of Control, James S. Lakin, Pres., New Capitol Bldg., receives bids until March 26 for 192x41-ft., 3-story and basement, brick and hollow tile, Indiana limestone trim boys' dormitory at West Virginia Collegiate Institute, Kanawha County, near Charleston.

Va., Fairmont—Board of Education Fairmont Independent School District probably call election in May on \$900,000 bonds for improvements and new high school building in Loop Park.\*

Va., Morgantown—State Board of Control, James S. Lakin, Pres.; Pres. F. B. Trotter of West Virginia University, approved plans by Davis, Dunlap & Barney, 1805 Walnut St., Philadelphia, Pa., for \$250,000 physical education building and recreation center for women students; contain swimming pool, gymnasium, dressing-rooms and showers, administrative offices, etc.\*

Va., Moundsville—Moundsville Independent School District Board of Education call election April 6 on \$149,000 bonds as follows: Addition to junior high school, \$119,000; new grade school in northeastern section, \$20,000; equipment and sundries, \$10,000.

W. Va., Richwood—Board of Education of Richwood Independent School District planning to erect 2 new school buildings.

W. Va., Salem—West Virginia Industrial Home for Girls planning to erect school buildings this spring to cost \$75,000.

### Stores

Ala., Birmingham—Edwin Weaver and Mant Hood, Proprs. of Exclusive Furniture Shop, 815 S. 20th St., erect \$100,000, 95x100-ft., 3-story and basement building, S. W. cor. 29th St. and Seventh Ave. South; brick, stucco and timber, English architecture; Charles H. McCauley, Archt., Jackson Bldg.

Ark., Eudora—A. Feibelman, Main St., has plans by M. Selligman, 206 Pine St., Pine Bluff, purchasing materials for \$28,000 to \$30,000, 2-story, 50x130 ft., brick 2-store and hotel building; concrete floors and foundation. (See Machinery Wanted—Flooring; Hollow Tile; Metal Ceilings; Metal Doors, Sash and Trim; Wire Glass; Ventilators; Marble.)\*

Ark., Center Point—August Hester will erect business building.

Ark., Fort Smith—L. A. Eubanks plans to erect store building on Greenwood Road.

Ark., Fort Smith—Gus Krone, 900 W. 21st St., plans to erect 2-story mercantile building, S. Ninth St. and Rogers Ave.

Ark., Gassville—Harvey Powell erect stone business building.

Ark., Pine Bluff—M. Silbernagle, 2000

Cherry St., replace frame structure with \$10,000, 1-story, brick 3-store building.

Fla., Daytona Beach—Jabaly Co., 212 S. Beach St., and Saddy & Srael, Inc., 246 S. Beach St., merged and plan to start work May 1 on \$500,000, 4-story business building.

Fla., Hollywood—G. C. McKenzie erect \$20,000 block of stores on Dixie Highway, Dania section.

Fla., Miami—Little River Hardware Co. has plans in progress for \$175,000, 3-story, 50x100-ft. reinforced concrete and concrete block addition on Dixie Highway.

Fla., Miami—Dr. S. D. W. Light, Calumet Bldg., and A. Wolkowsky, 32 N. E. First Ave., erect block of stores, 226-30 W. Flagler St.; \$11,500; also group at 227-9 W. Flagler St.; \$9000.

Fla., Miami—S. Constantino erect \$10,000, 2-story business building, N. W. 38th St. and Fifth Ave.

Fla., Miami—R. C. Eakins erect two stores at corner N. E. Second Ave. and 113th St.; \$18,000.

Fla., Orlando—D. S. Evans, 200 E. Robinson St., recently purchased 61 ft. on N. Orange Ave. at Alexander Place; plans to erect 2 or 3 story building.

Fla., St. Petersburg—L. K. Gorman erect \$30,000, 1-story, cement and tile store building, First Ave., North, and Sixth St.

Fla., Sebring—Willie Williams will erect \$10,000, 2-story store building on Lemon St.

Fla., Stuart—B. J. Hartshow and F. G. Burtt erect \$29,500, 2-story building, Pomergranate St.; cement block and tile.

Fla., Tampa—Folk-Madison Co. erect \$40,000 store, Polk and Tampa Sts.

Fla., Wauchula—A. G. Smith, Pres. of Bank of Wauchula, plans to erect \$30,000, 2-story, 45x81-ft. building; 1 store and 4 offices on ground floor, apartments above.

Fla., Waycross—A. R. Hood purchased interest in Walker-Hood furniture stores; soon let contract for redecorating and extensive alterations.

Miss., Tchula—Dan Boyd soon let contract for \$10,000, 2-story, 40x60 ft. restaurant and office building; cement, wood and concrete floors, cement foundation, tin roof.

Miss., Tchula—D. W. Boyd soon let contract for 2-story, fireproof business building.

Mo., Kansas City—A. I. Morris, 3132 Washington St., and Max Morris purchased S. W. cor. 26th St. and Troost Ave.; plan business and apartment development.

Mo., Salisbury—Winklemeyer Brothers erect \$30,000 business building.

Mo., Springfield—George D. McDaniel, Campbell Springs Rd., plans to replace 5 store buildings on St. Louis St., recently burned.

Okl., Tulsa—W. F. Pelton erect brick store and apartment building, 2825 Fifteenth St.

Tenn., Lenoir City—W. H. Goodwin Drug Co. replace present building, W. Broadway and B Sts., with 50x85 ft. brick structure.

Tex., Corpus Christi—Edward Lippert, Kitchner, Ontario, Canada, purchased property at Staples St. and Hancock Ave.; plans construction of 3 store buildings.

Tex., Dallas—T. E. Alexander, 6040 Bryan Parkwy., erect 6 brick stores, 4500-4 Munger St.; \$13,000.

Tex., Dallas—D. E. Hedgecock, 27 N. Cleveland St., erect \$12,000, 1-story, brick stores, 2825-7 Commerce St.

Tex., Fort Worth—P. L. Dickerman, 812 8th Ave., erect \$30,000, brick store building, Eighth and Allen Sts.

Tex., Kingsville—H. Allison planning to erect 3 brick storerooms.

Tex., Livingston—John McLellan, Woolworth Bldg., Houston, preparing plans for 1-story, brick and tile store building for Carl Bergman.

Tex., Plainview—J. B. Nance, Tahoka, reported planning to erect business building.

Tex., Uvalde—L. Schwartz Co. plans to erect store building.

Va., Winchester—Fred H. Hable, Winchester and Washington, D. C., purchased 3-story, brick building, 145 N. Main St., reported to erect 2-story addition and make other improvements.

### Theaters

Ark., Blytheville—S. R. Morgan erect \$75,000 combined theater and apartment building.

Ark., Blytheville—A. G. Pearce reported to erect \$8,000 theater building.

Fla., Hialeah—James Hodges has permit for erection of theater building.

Fla., Cora Gables—Riviera Theater Corp.

In writing to parties mentioned in this department it will be of advantage to all concerned

erect Spanish type motion-picture theater near Riviera Section; 960 seats; L. R. Patterson and E. D. Robertson, Archts., Calumet Bldg., Miami.

Fla., Larkin—Harry Ahlman, Pres. of Larkin Moving Picture Corp., will erect \$75,000, 1-story theater on Dixie Highway; Rathbone De Buys, Archt., 207 N. E. First Ave., Miami.

Fla., Miami—Biscayne Amusement Co., A. Irving Feinberg, Pres.; Arthur J. Goldman, Sec. and Treas., formed \$200,000 corporation for erection of 2 theaters in Miami and others in West Palm Beach, Daytona, Jacksonville, Ocala, Bunnell, Tampa, Winter Haven, Orlando, Lake Worth and Pajakta; first to be Greene Theater at N. W. Third Ave. near 13th St., 2 stores on either side of entrance, \$50,000, seating capacity of 1500; State Theater to be built in Allapattah Drive, \$75,000.

Fla., Miami—J. A. Bonin, 509 Exchange Bldg., signed contracts for erection of two theaters for negroes, N. W. 14th St. near Third Ave. and N. W. Third Ave. near Ninth St.; George D. Colovos, Hollywood, Cal., organized corporation with \$250,000 capital stock, for erection of these and other theaters in Miami.

Fla., Miami—J. C. McRae, J. D. Brushell and J. J. Judkins, members of corporation to erect \$200,000 theater, The Allapattah, N. W. 17th Ave. and 35th St.; seat 1500; include several shops; work started.

Fla., Miami—William A. Leach, 230 S. E. First Ave., and associates, of Paramount Enterprises Corp., purchased property at Red Road and Nein Ave., Biltmore Heights, as site for proposed theater.

Fla., Miami—Robertson & High, 928 W. Flagler St., has completed plans by George E. T. Wells, Exchange Bldg., for \$200,000 Miami Theater and Amusement House, S. W. Eighth St. and Eighth Ave.; steel and concrete showhouse with cabaret pavilion adjoining; lobby flanked with 11 stores and shops.

Fla., Palm Beach—Nina Wilcox Putnam announced plans for erection of theater in Seawall's Point section of Stuart Shores.

Fla., St. Petersburg—Airdome Theaters, Inc., G. W. Townsend, Pres., announced plans for \$50,000, 1000-seat theater on Tangerine Ave.

Fla., Valdosta—S. A. Lynch interests have plans in progress by Roy A. Benjamin, Biscayne Bldg., Jacksonville, Fla., for \$200,000 theater building on Patterson St., to be leased by E. J. Sparks, Jacksonville.

Fla., Valdosta—A. E. Optner, Chicago, Ill., closed contract with M. R. Ousley for immediate erection of theater building, S. Patterson St.

Fla., Laurel—Strand Amusement Co., care W. S. Taylor, soon start work on new motion-picture theater, seat 1000.

Mo., Joplin—John W. Freeman announced erection of \$50,000, 50x175 ft., brick and tile, Carthage stone-trim theater building, 20th and Main Sts.; L. E. Gager will manage; Smith & Van Pelt, Archts., 819-20 Frisco Bldg.

S. C., Rock Hill—Dr. J. B. Johnson and associates start work April 15 on \$40,000 theater on Main St., to be leased by Carolina Theaters Co., Asheville, N. C.; equipment and furnishings cost \$20,000; Benton & Benton, Archts., Wilson, Fidelity Bldg.

Tenn., Cisco—R. & R. Theater Enterprises Co., 309 S. Harwood St., Dallas, and K. N. Greer, Broadway Theater, Cisco, have plans in progress for remodeling and addition to present building; \$45,000, brick and concrete; Theodore S. Maffitt, Archt., 510 N. Sycamore St., Palestine.

Tenn., San Antonio—Interstate Amusement Co., care Karl Hoblitzelle, Preston Rd., Dallas.

## BUILDING CONTRACTS AWARDED

### Association and Fraternal

Fla., Sarasota—Geisler Construction Co. erecting \$10,000 store and lodge room building on Adella St.

Fla., Tampa—Girl Scouts let contract for \$15,000 camp to E. C. Lyon; central building, 10 patrol houses, to accommodate 10 each, 5 to be erected at present; rough lumber.

Fla., Macon—Masonic Grand Lodge of Georgia let contract to W. D. Griffin, 210 Winship St., for \$60,000 headquarters building (lately incorrectly noted cost \$500,000); brick, marble trim, 2 stories; auditorium seat 1500, stage, opera chairs; Claude W. Sherverton, Archt., Grand Bldg.\*

Va., Roanoke—Virginia Heights Lodge No.

132, A. F. & A. M., let contract at about \$48,000 to T. J. Davis, 801 Virginia Ave., Virginia Heights, for building, Grandin Road near Virgna Ave.; face brick, 3-stories, 55x130 ft.; Frye & Stone, Archts.\*

Tex., Yorktown—Mr. L. Strieber and Mrs. Adolph Strieber opened bids for erecting 1-story, \$45,000, brick, concrete and frame, 100x145-ft. store and theater building; tin roof, concrete, tile and hardwood floors, metal ceilings, steel sash and trim, wire glass, ventilators, cast stone; O. F. Gips, low bidder, let contract soon; Will N. Noonan Co., Archts., 301 Builders Exchange Bldg., San Antonio.\*

W. Va., Steubenville—George Schafer theater interests, Wheeling, plan to acquire site for theater building.

### Warehouses

Fla., Haines City—Sam Cheatham, Inc., start work immediately on \$15,000 warehouse in Hughes subdivision.

Fla., Miami—Melrose Avery, 14 N. W. 7th St., erect \$35,000, 1-story, cement warehouse and garage, N. W. First Ave. near 17th St.

Fla., Miami—Dubbin Properties, Inc., has plans by John H. Sculthorpe, Townley Bldg., for \$80,000, 3-story, reinforced concrete warehouse, 2015 N. Miami Ave.

Fla., Miami—J. W. Johnson erect \$15,000, 1-story warehouse and salesroom, 2150 N. W. First Court; R. A. Preas, Archt., Metropolitan Bldg.

Fla., Miami—T. B. McGahey erect \$60,000, 2-story, cement and frame warehouse, N. W. Fourth St.

Fla., Tampa—W. L. Blocks, Seddon Island, erect \$10,000 warehouse on Hillsborough River.

Fla., Tampa—South Florida Roofing Co., 303 N. Willow Ave., erect \$20,000 warehouse on Willow Ave.; 2 stories, 90x90 ft.; Logan Brothers, Contra, 918 Citizens Bank Bldg.

Fla., Tampa—United Paper Co., Franklin and Krause Sts., erect \$60,000 warehouse on Ellamae Ave.; 2 stories, 258x305 ft., cement, brick and composition; Logan Brothers, Contra, 918 Citizens Bank Bldg.

Fla., Baxley—Miles, Dunn & Co. erect 75x125 ft. warehouse; also apartment-house on Dunwoody St.

La., Lake Charles—B. F. Miller, 320 East St., Mgr. of Lake Charles Building Material Co., soon let contract for warehouses.

La., New Orleans—Emile Well, Inc., Archts., Whitney Bldg., preparing plans for three 1-story, reinforced concrete, brick and steel warehouses, Market, Religious, Richard and St. Thomas Sts., for Woodward-Wight & Co.

N. C., Asheville—Jack Dryer, Knoxville, Tenn., purchased 105 ft. frontage on Biltmore Ave.; plans to erect warehouse and office building.

Tenn., Knoxville—Knoxville Stove Works erect \$11,000 addition to warehouse, Allor Ave.

Tenn., Knoxville—A. Wells & Co., A. Wells, Pres., 33 Market Sp., considering erecting new warehouse.

Tenn., La Follette—Chamber of Commerce, A. B. Cole, Sec., announced plans for erection of \$50,000, 120x200 ft., frame warehouse, by Tri-County Tobacco Warehouse Co.; advises "We think the new company will be in the market for presses, baskets and all equipment necessary for operation of tobacco warehouse."\*

Tenn., Tazewell—John L. Buis, Garfield Russell, B. Richardson on committee for erection of \$40,000 tobacco warehouse.

Va., Richmond—H. H. Nolte, Pres. of Consolidated Paper & Box Mfg. Co., 407 E. Canal St., for \$10,000, 2-story, brick warehouse,

### Bank and Office

Fla., Miami—Bank of Bay Biscayne, Jas. H. Gilman, Pres., let contract for 7 additional stories to 5-story building to Fred T. Ley & Co., Inc., Springfield, Mass.; 19 W. 44th St., New York, and Vail Arcade, Miami; Wears & Alford Co., Archts., 1923 Calumet Ave., Chicago, Ill.

La., New Orleans—Alabama Marble Co., 1701 Avenue A, Birmingham, Ala., has interior marble contract for \$2,000,000 Pere Marquette store and office building; water-

if the Manufacturers Record is mentioned.

proofing for garage, Olympia Roofing Co., 317 Bergundy St.; hardware, A. Baldwin & Co., 1001 S. Peters St.; S. Scott Joy, Archt., 2001 Pershing St., Chicago, Ill.; Wm. E. Spink, Asso. Archt., 608 Canal-Commercial Bldg., N. O.; Ferro Concrete Construction Co., Contr., Third & Elm Sts., Cincinnati, O.\*

La., New Orleans—Baronne & Howard Realty Co. let contract for fireproof office building to W. Horace Williams Co., Inc., 816 Howard Ave.; probably 5-stories, pile foundation, 95x88 ft. site; Wm. E. Spink, Archt., Canal-Commercial Bldg., completing plans; contractors to call for sub-bids.

Md., Baltimore—Provident Savings Bank let contract to Thos. Hicks & Sons, 106 W. Madison St., for branch bank, 1110-12 S. Charles St.; cost about \$40,000, about 30x65 ft., brick and stone, hot-water heat, slate roof, rubber floors, reinforced concrete vaults; Palmer, Willis & Lambdin, Archts., 513 N. Charles St.

Tex., Dallas—Marshall Matson, 816 Thomas Bldg., care General Building Corp., erect \$750,000 office building; brick, stone, terra cotta and reinforced concrete, 13 stories, 80x120 ft. triangular shape; Anton F. Korn, Jr., Archt., 816 Thomas Bldg.; Bellows-Maclay Construction Co., Contr., 611 Kirby Bldg.; drawing plans.

Tex., Edinburg—Edinburg State Bank & Trust Co. let contract to H. N. Jones Construction Co. for fireproof building; brick and reinforced concrete, 2 stories, cost \$51,000; bank and stores on first floor, 20 offices above; Ralph H. Cameron, Archt., City Nat. Bank Bldg.; wiring, Travis Electric Co.; plumbing, C. W. Richmond; heating, Braden-Hudson-Wangler, all San Antonio.\*

Tex., Fort Worth—Fort Worth Properties Corp., Jesse H. Jones, Pres., Goggan Bldg., Houston, let contract for \$2,000,000 fireproof Medical Arts Bldg., to P. O. B. Montgomery, 808 1/2 Commerce St., Dallas; brick, stone and and basement; Sanguinet, Staats & Hedrick reinforced concrete, 108x209 ft., 16 stories (Wyatt C. Hedrick, successor), Archts., First Nat. Bank Bldg.\*

Tex., Rio Grande City—First State Bank & Trust Co. let contract to J. E. Walsh, Mission, for \$25,000 slow-burning mill constr. building, brick, stone and reinforced concrete, 2 stories, 75x30 ft., tile and hardwood floors, reinforced concrete foundation. Johns-Manville roof; Alexander H. Woolridge, Archt., State Bank Bldg., McAllen.\*

### Churches

Ala., Ensley—First Methodist Church selected Geo. P. Turner as architect for Sunday school; accommodate 1500 to 2000, new steps to main auditorium; work to start soon after April 1; Geo. P. Miller, Constr. Supervisor.\*

Fla., West Palm Beach—Protestant Episcopal Church, Robt. Dun Douglass, Chmn. Bldg. Comm., let contract for \$1,000,000 Bethesda-by-the-Sea Memorial Church to Hegeman & Harris Co., Inc., 360 Madison Ave., New York, Memphis, Tenn., and Miami, Fla.; Spanish-Gothic type; cloister, open-air pulpit; rectory; Hiss & Weeks, Archts., 18 E. 49th St., New York.\*

La., New Orleans—Agudth Achim Anshe Sfar Congregation, A. Goodman, Chmn. Bldg. Comm., 2819 Carondelet St., let contract to Hyman Rabinovitz, 205 Strand Bldg., for Sunday school, Gen. Pershing St. and St. Charles Ave.; brick and cast stone, 2 stories, 50x75 ft., plaster interior, reinforced concrete foundation, slate roof, steam heat; plans by Contr.\*

Mo., Alton—Elm Street Presbyterian Church, Rev. J. G. Reynolds, Pastor, erecting \$25,000 brick building.

Okla., Canute—Roman Catholic Church let contract at \$12,480 to F. A. Thompson Construction Co., Granite, for building; heating, plumbing and wiring later; 1 story, 38x60 ft., brick and stone; Monnot & Reid, Archts., Magnolia Bldg., Oklahoma City.\*

Okla., Oklahoma City—Oklahoma Sash & Door Co., 8 E. Grand St., has millwork contract for \$30,000 United Brethren Church; painting, Okley Murph, 1841 Linden St.; plumbing and heating, Moore & Co.; wiring, Wetherbee Electric Co., 510 N. Hudson St.; stone and brick, Lumbermen's Supply Co.; American Nat'l Bank Bldg.; steel, J. K. Klein Iron & Foundry Co., 1006 W. Second St.; Tonini & Bramblett, Archts., 416 1/2 W. Main St.; W. T. Lawrence & Son, Contrs., 1312 W. Ninth St.\*

Tex., Dallas—Oak Cliff Methodist Church, B. T. Stanford, Chmn., Bldg. Comm., 1307 Elm St., let contract at about \$52,000 to Geo. A. Worthington, 122 E. Sixth St., for Sunday school; brick, stone, steel and reinforced concrete, 3 stories, 70x110 ft.; Eugene E. Davis, Archt., 803 Central Bank Bldg.; gas-steam radiation heat, Southern Heating Co., 301 Melba Bldg.\*

In writing to parties mentioned in this department it will be of advantage to all concerned

Tex., Edinburg—First Methodist Church let contract at \$53,948 to H. N. Jones Construction Co., 212 Losoya St., for 2-story, brick, stone and tile building; fireproof; furnishings, including pipe organ, \$10,000 to \$20,000; Ralph H. Cameron, Archt., City Nat. Bank Bldg.; wiring, Travis Electric Co.; plumbing, C. W. Richmond, all San Antonio.\*

Tex., Harlingen—First Christian Church erecting \$30,000 building by day labor, A. Goldamer, Supt.; brick and concrete, 2 stories and basement; auditorium seat 350; Adams & Adams, Archts., Builders Exchange Bldg., Sun Antonio.\*

Tex., San Antonio—Seventh Day Adventist Church, 942 Garden St., soon start work by day labor on \$30,000 building; brick and concrete, 1-story and basement, 42x72 ft.; Andrew Fraser, Archt., Littlefield Bldg., Austin; J. B. Ross, Bldg. Supt., South Texas Conference Assn. of Seventh Day Adventist Church, 942 Garden.

### City and County

Fla., Clearwater—City, Chas. F. Mason, City Mgr., let contract for steel cells for jail to Manly Jail Works, Dalton, Ga.

Tenn., Madisonville—Monroe County Court let contract for cell work in jail to Manly Jail Works, Dalton, Ga.

Tex., San Antonio—Bexar County Board of Commrs., Augustus McCloskey, County Judge, let contract for \$200,000 addition to jail to Chas. H. Brent, Builders Exchange Bldg.; electric work, Graham & Collins, 306 W. Commerce St.; plumbing, Chas. Gutzeit, 214 E. Crockett St.; cell work, Southern Steel Co., 4500 block S. Presa St.; elevator, Otis Elevator Co., 124 Garden St.; Atlee B. & Robt. M. Ayres, Bedell Bldg., and Seutter & Simons, Builders Exchange Bldg., Archts.\*

### Dwellings

Ala., Mobile—Frank Courtney, 1009 Dauphin St., erect \$15,000 residence, Government and McDonald Sts.; Fla. Claire; hollow tile; P. N. Cox, Contr., Bay Front.

Fla., Coral Gables, Miami—Botwin & Tunick Building Corp. erect 2 dwellings, 5004-08 Ferdinand Drive, Riviera section; total cost \$42,000; Weist & Ware, Archts., 5343 N. W. Seventh Ave.

Fla., Coral Gables, Miami—Myers Y. Cooper Co., 409 Union Trust Bldg., Cincinnati, O., has permit for \$37,000 dwelling, 1256 Pinta Court; Edgar Albright, Archt.

Fla., Coral Gables, Miami—N. P. Hanson will supervise erection of 2 dwellings, Avenue San Lorenzo; cost \$12,500 each; H. Geo. Fink, Archt., Congress Bldg.

Fla., Coral Gables, Miami—G. McCormick let contract for \$100,000 residence, Ridge Rd., to Coral Gables Construction Co., Coral Way; Italian villa type, stucco, coral rock trim, tile loggias, brick-floored porches, 3 baths, cast stone stairway; Fred K. Hodgdon, Archt.; Paul Chalfin, Landscape Archt.

Fla., Dunnellon—Mrs. J. M. Watson started work on 2-story frame residence, Walnut St.; 31x44 ft., 9 rooms, 2 baths; Geo. H. Dorr, Contr.

Fla., Fort Pierce—Yewell Construction Co. erect 5 dwellings, Aurora Heights, in addition to 5 nearing completion.

Fla., Groveland—John Larson erecting residence, N. Pleasant Rd.

Fla., Jacksonville—Modern Builders, Inc., 315 Lutz Bldg., Jas. E. Butler, Pres., erect number of dwellings and apartments.

Fla., Jacksonville—Bacon-Hoyt Realty Co. erect \$15,000 dwellings, Park St., near Forest St.; H. W. Inman, Contr.

Fla., Jacksonville—H. E. Grimm, 8 W. State St., erect \$18,500 residence, Forest St., near May St.; C. F. Senyard, Contr., 1915 Boulevard.

Fla., Jacksonville—Lillian B. Tomlinson erect \$18,000 residence, Park St. near James St.; 2-stories, brick veneer; C. F. Senyard, Contr., 1915 Boulevard.

Fla., Miami Beach—Arthur K. Hutchins, 3605 Indian Creek Drive, erect \$80,000 Spanish type, 13-room residence, Indian Beach; Kiehn & Elliott, Archts., Seybold Bldg.; Gunn & Goll, Contrs., Exchange Bldg.

Fla., Sebring—H. W. Hall Building Co. has permit for \$15,000 dwelling and garage, Harder Ave.; 2 stories, 8 rooms, 3 baths, frame and stucco, tile roofs.

Fla., St. Petersburg—A. E. Cuson, Treas., Allen-Fuller Corp., 9 Fifth St., N., erect residence, Jungle Ave.; 2 stories.

Fla., Tampa—Dr. Jos. W. Taylor, Citizens Bank Bldg., erecting \$40,000 residence.

Fla., Tampa—T. O. and M. Sidney Gibbons, 607 Washington St., let contract at \$55,800 to B. F. Walker & Sons, Knight

Bldg., for brick and hollow tile residence; 2 stories, 90x55 ft., oak and tile floors, concrete foundation, Johns-Manville roof, electric refrigerator; Fred J. James, Archt., Citizens Bank Bldg.\*

Fla., Tampa—S. T. Bize erect \$20,000 residence, Davis Blvd., Davis Island; brick, hollow tile and stucco; D. B. Hill, Contr., Orient and Myrtle Sts.

Fla., Tampa—Isaac Hanan, 421 W. Park Ave., erect 25 Italian type dwellings, Hanan Estates; cost about \$25,000 each, 6 and 7 rooms, stone, concrete, brick, frame and stucco; R. Robt. Swartburg, Archt., 2 W. 46th St.; financing by Kirkeby, Watts & Co., Chicago, Ill.

Fla., Augusta—Geo. R. Stearns, Highland and Hellen Sts., erecting \$18,000 brick veneer residence; 2 stories, 49x43 ft., gum floors, concrete foundation, slate roof; Willis Irvin, Archt., Broad St.; Sibert & Robison, Contrs., 126 Eighth St.; hot water heating and plumbing, E. J. Erbelding & Son, Broad St.; electric work, Eve Repair Co., Chafee St.; millwork, Woodward Lumber Co., 1010 Roberts Sts.; painting, R. G. Barinowski, Ellis St.; slate roofing and sheet metal work, E. A. DeMore, Broad St.\*

Fla., Tybee—Judge John E. Schwarz, Savannah, erecting summer residence, 13th St. and Second Ave.; Tybee Construction Co. Contr.

Fla., Waycross—W. E. Bland erecting residence, Golf Heights.

Ky., Lexington—E. F. Ebelsin let contract for residence.

Ky., Lexington—Jones Hedrick erecting residence.

Ky., Paris—R. L. Buffington, Columbus, O., erect stone, concrete and frame residence, 9 miles from Paris; 2 stories, 48x36 ft., 22x68 ft. ell, oak floors, concrete foundation, slate roof; plans by owner; E. T. Sheeler, Contr., Cameron St.; hot water heating and plumbing, A. S. Best & Co., Millersburg, Ky.; electric work not let.\*

La., New Orleans—Audubon Homestead Assn., 5509 Magazine St., erect \$12,000 duplex, Sycamore and Adams Sts.; Henry Hinrichs, Contr., Queen and Crescent Bldg.

La., New Orleans—Excelsior Homestead Assn., 106 Camp St., erect \$12,000 dwelling, Moss St. and Magnolia Court; R. Sidney Hernandez, Contr.

La., New Orleans—Victor Huber, 5055 Canal St., erect \$15,000 dwelling, Country Club Gardens; A. Garrett, Contr., Canal-Commercial Bldg.

La., New Orleans—A. C. Williamson & Co., Queen & Crescent Bldg., erect 10 Spanish type bungalows, Old Homestead Ave., Old Homestead subdivision, Metarie Ridge; cost about \$8000 each; ready for sub-bids about 1 week.

Md., Baltimore—Westport Building Co., Westport Ave. and First St., erect 20 brick dwellings, S. W. cor. Westport Ave. W. of First St.; 2 stories, 14x30 ft., slate roofs, steam heat; total cost about \$36,000; M. J. Nisco, Archt.; owner builds.

Md., Baltimore—M. A. Brooks, 4916 Park Heights Ave., erect 2 frame dwellings, Clover St. and Trainor Rd.; 1 1/2 stories, 28x26 ft., shingle roofs, steam heat; total cost \$16,000; C. T. McClure, Archt., 4415 Pimlico Rd.; owner builds.

Md., Baltimore—Mrs. Lawrence M. Miller, Cambridge Apt., erect \$18,000 residence, 217 Wendorff Rd.; 2 1/2 stories, 59x30 ft. and 19x20 ft., frame, slate roof, hot water heat; L. H. Fowler, Archt., 347 N. Charles St.; L. L. Chambers, Inc., Contr., 36th St. and Roland Ave.

Md., Baltimore—Progressive Building Co., 3826 Arabia Ave., erect 15 brick dwellings, 2800-28 W. Mulberry St.; 2 stories, 20x34 ft. and 13x40 ft., steam heat; total cost about \$45,000; L. Schoenlein, Jr., Archt., 2906 Parkside Drive; owner builds.\*

Md., Baltimore—Moore Realty Co., 2 E. Lexington St., excavating for \$15,000 dwelling and garage, Newland Ave. near Southway; cinder block and stucco, 2 1/2 stories, 25x37 ft., stone foundation, slate roof; Oliver Wight, Archt., Munsey Bldg.; owner builds and lets sub-contracts. See Machinery Wanted.\*

Md., Baltimore—E. J. Gallagher Realty Co., 919 Munsey Bldg., erect 8 brick dwellings, 3616-30 Ednor Ave.; 2 stories; 21x36 ft. and 20x32 ft., hot water heat; total cost \$50,000; plans and construction by owner.

Md., Baltimore—Geo. W. Schoenhals, Munsey Bldg., erect 80 dwellings, 2500 block W. Lafayette Ave., 2300 blocks W. Lexington St. and Wilkins Ave.; 2 stories, 6 rooms and bath, brick; total cost about \$350,000; also erecting 22 dwellings, 2100 and 2200 blocks Whittier Ave.; Jos. F. Hirt, Archt., 829 N. Luzerne Ave.; owner builds.\*

if the Manufacturers Record is mentioned.

Md., Baltimore—Walbrook Realty Co. erect 7 brick dwellings, 3331-43 Piedmont Ave.; 2-stories, 15x43 ft., slate roofs, steam heat; total cost \$10,000; Geo. Wessel, Archt., 3001 Lyttleton Road; owner builds.

Md., Baltimore—Cleveland R. Bealmeir, 16 E. Lexington St., erect number dwellings, North Ave. near Ashburton St.

Md., Mount Washington, Baltimore—Mt. Washington M. E. Church completed excavation for \$10,000 residence, Falls and Ashby Rds.; frame and cement stucco, Gyplap, wire mesh, 2 stories, 37.6x27 ft., hardwood and pine floors, stone foundation, slate roof; J. M. Myrens, Archt., 36th St. and Roland Ave.; Jos. S. Small, Contr.; electric Co.; plumbing, Donald & White, 502 W. 33d St., all Baltimore.\*

Mo., Clayton, St. Louis—John R. Shepley, First Natl. Bank, erect \$20,000 cement stucco dwelling, Cellar Road; 31x56 ft.; A. T. Nelson, Archt.; Dunham Constr. Co., Contr.

Mo., Joplin—Davidson & Jones erecting 6 dwellings, S. Wall St.; total cost \$19,500.

Mo., Kansas City—Louis L. Selbel, 2642 E. 29th St., let contract for English type residence to Ferguson & Simonds for \$35,000; 2½ stories, 91.4x51.1 ft., oak and tile floors, stone foundation, slate roof; equipment, etc., purchased; plans by owner.\*

Mo., St. Louis—A. J. Fleming, 1401 Good fellow St., erect 3 brick dwellings, 4168-7-4 Euclid Blvd.; 2-stories, 25x59 ft., composition roofs, hot-air heat; total cost \$12,000; plans and construction by owner.

Mo., St. Louis—S. Floun, 408-722 Chestnut St., erect 4 brick dwellings, 2616-22 Belle Glade St.; 1-story, 22x32 ft., rubberoid roofs, hot-air heat; total cost \$15,000; E. J. Lawler, Archt., 3672 Hickory St.; R. P. Rielley, Contr., care owner.

Mo., St. Louis—C. Naeri, 3222 Meramec St., erect 2 brick dwellings, 3819-23 Federer Pl.; 2-stories, 26x33 ft., tile roofs, hot-water heat; total cost \$12,000; plans and construction by owner.

Mo., St. Louis—H. Wurdack erect \$40,000 residence and garage, 5505 Lindell Blvd.; 2 stories, 40x76 ft. and 26x22 ft., slate roof, steam heat, rubber tile, oak and tile floors, hollow and interior tile, incinerators, marble, limestone; Aegeerter & Bailey, Archts.; Murch Bros. Constr. Co., Contr., all Railway Exchange Bldg.

Mo., St. Louis—Lasker Finance Corp., 3026 Locust St., erect 2 brick dwellings, 3814-18 Bowen St.; 25x32 ft., asphalt shingle roofs, furnace heat; total cost \$12,000; F. J. Honerkamp, Archt.-Contr., 5986 Easton St.

Mo., St. Louis—Wm. S. Dzozda Realty Co., 4006 Chouteau St., erect 8 brick dwellings, 5100-04-06-08-10-14-18-20 Kingshighway, S. W.; 1-story, 22x40 ft., composition shingle roofs, hot-air heat; total cost \$24,000; owner builds.

Mo., University City, St. Louis—Viola Kirchhoff, 905 Yale St., erect \$12,000 brick residence, 591 Stratford Ave.; 1½-stories, 4.9x40.2 ft., slate roof, hot water or hot air heat; Leonard Haeger, Archt., 3844 Utah St.; Kuhn & Kuhn Constr. Co., Contr., 5808 Columbia St., both St. Louis.

Mo., University City, St. Louis—Dr. Leo F. Marre, Missouri Theater Bldg., erect \$26,000 brick residence and garage, 533 Warren Ave.; 2-stories, 37.6x44.7 ft., slate roof, steam heat; Klingensmith, Rice, Wilkins, Archts., Arcade Bldg.; Wilkins & Phillipi Constr. Co., Contr., 712 Compton Bldg., all St. Louis.

Mo., University City, St. Louis—E. O. Kimminich, 215 Eads St., St. Louis, erect 2 dwellings, 7252 Lindell Blvd.; 2-stories, 24x34 ft., tile or slate roofs, hot-water heat; total cost \$11,000; plans and construction by owner.

Mo., University City (St. Louis)—Louis E. Dehldorff, 12th St. Trust Co. Bldg., erect \$12,000 brick residence, 7329 Maryland Ave.; 2½ stories, 26x45 ft., slate roof, steam or hot-water heat; Nolte & Naumann, Archts., Fullerton Bldg.; Aug. Winkel & Son Contrs., 1810 N. Leffingwell St.

Mo., University City (St. Louis)—J. A. Pastel, 818 Chestnut St., erect \$15,000 brick residence, 7321 Westmoreland Ave.; 2 stories, 77x37 ft., composition (flat) and tile (steep) roof, hot-water heat; also 2 story, 44.8x50.8 ft., brick dwelling, 6969 Kingsbury Blvd.; Oliver J. Popp, Archt., 1501 Arcade Bldg.; Sachse Construction Co., Contr., 1194 Arcade Bldg.

N. C., Greensboro—R-I-C Craftsmen Co. erecting 2 dwellings, Kirkwood, and 3 in Lindley Park for various owners; frame and brick, oak floors, concrete and brick foundations, Logan-Long asphalt shingle roofs; total cost \$52,000; Wm. McC. Neale, Engr., 400 N. Mendenhall St.; sub-contracts let; no equipment or furnishings needed. See Machinery Wanted.

N. C., Greensboro—A. M. Scales, Southern Loan & Trust Co. Bldg., let contract for \$75,000 Colonial residence, Hamilton Lakes, to Geo. W. Kane; 3 stories, red brick, 8 pillars; C. Gadsden Sayre, Archt., Jefferson Bldg.\*

N. C., New Bern—Morehead Bluffs, Inc., E. M. Howard, Vice-Pres.-Gen. Mgr., erect administration bldg., connection with development of resort; Benton & Benton, Archts., Fidelity Bldg., Wilson; Taylor Co., Contr., Goldsboro.

N. C., Winston-Salem—E. E. James, Box 46, laying brick foundation for \$12,000 residence; brick, tile and stucco, 36x50 ft., hardwood floors, clay tile roof; Hall Crews, Archt., Robt. E. Lee Hotel Bldg.; Standard Home Co., Contr., Box 46. Address equipment proposals to owner. See Machinery Wanted.\*

Okla., Oklahoma City—S. L. Maxwell, 429 W. 11th St., let contract at \$25,000 to C. E. Huffman for residence.

Okla., Ponca City—E. W. Marland, Pres., Marland Oil Co., started work on Spanish type native stone residence; J. D. Forsythe, Archt.

S. C., Rock Hill—Red River Mill let contract to Rock Hill Lumber Co. for 25 operatives' dwellings at Carhartt Station near Rock Hill; frame, shingles, 1-story, 12x28 ft., with 10x10-ft. ell, wood floors, brick pier foundations, wood shingle roof; total cost \$12,500; material and labor contracted for.

Tenn., Clarksville—Dickson-Orgain Realty Co., 320 Franklin St., erecting model dwellings, Greenwood Ave.; Manning Orgain Supply Co., Contrs.

Tenn., Knoxville—L. D. Schultz, Armstrong Ferry Pk., erecting 2 brick veneer bungalows, Armstrong Ferry Pike.

Tex., Austin—Chas. L. Block erect brick veneer residence; 2 stories and basement, asbestos shingle roof; Edwin C. Kreisle, Archt., Scarborough Bldg.; Claude Traweek, 711 W. Seventh St., gen. contract at \$18,496; plumbing and wiring, Harper & Linscomb, 204 W. 15th St., \$1803; heating, J. O. Buas & Sons, 304 W. Fifth St., \$685.

Tex., Austin—Roy A. Miller, 604 W. Sixth St., erect \$10,500 residence; frame and stucco, 2 stories, reinforced concrete, frame and stucco; Geo. A. Feuerbacher, Contr., 900 Robertson Ave.

Tex., Houston—Houston Post-Dispatch started work on \$16,000 model dwelling, Bolsover Rd., near Kent St., Southampton; stucco by Gulf Concrete Pipe Co., 4308 Harrisburg St.; A. E. Scott, Contr., 3611 Houston St.

Tex., Houston—Mrs. J. C. McDowell, 1641 Marshall St., erect 2 brick veneer triplexes, 1645 Harold and 1655 Kipling Sts.; 2 stories; total cost \$24,000; C. C. Rhodes, Contr., 1903 Commonwealth St.

Tex., Houston—W. T. Carter Building Co., 1201 Capitol Ave., erect 12 dwellings, Garden Villas addition; cost about \$5000 each, frame, 1 story, 4, 5 and 6 rooms.\*

Tex., Wharton—F. W. Shannon let contract at \$8545 to M. K. Hefflington, Houston, for 2-story, brick veneer dwelling; contract for 1-story frame to Joplin & West, Wharton, at \$4000; 32x40 ft. and 32x28 ft., pine and oak floors, concrete foundations, Johns-Manville asbestos roofs; J. M. Glover, Archt., Bankers Mortgage Bldg., Houston.\*

#### Government and State

D. C., Washington—Otis Elevator Co., 810 18th St. N. W., has contract at about \$9000 to install automatic elevator in White House.

Fla., Winter Haven—W. H. Shulz, Jr. erect \$200,000 building, section to be leased to Government for post office; 2 stories, arched; stores and apartments in remainder.

#### Hospitals, Sanitariums, Etc.

N. C., Fayetteville—Following sub-contracts let for addition to Pittman Hospital, Hay and Williams Sts.: Heating and plumbing, Minor Plumbing Co.; electric work, Holmes Electric Co.; steel and iron, Raleigh Iron Works Co., 124 S. West St., Raleigh; ornamental iron, J. D. Wilkins, W. Lee Extension, Greensboro; floor, General Kompolite Co., R. Galloway Ross, Charlotte; structure brick and stone front, semi-fireproof, Johns-Manville built-up roof, concrete foundation; C. C. Hook, Archt., 338 S. Church St., Charlotte; Reinecke Construction Co., Inc., Nat. Bank Bldg., Fayetteville. (See Machinery Wanted.)

S. C., Gaffney—City Hospital, Dr. S. B. Sherard, Mgr., let contract to L. Baker for \$20,000 addition; 15 rooms.

Tenn., Humboldt—B. F. Jarrell erect building, 14th Ave., to be occupied by Dr. J. W. Cursler for office and clinic.

Tex., Paris—Dr. Turner F. Roberts erect \$32,000 hospital; brick, stone and reinforced concrete, 2 stories, 32x74 ft.; Smith & Praeger, Archts.; King & Moore, Contrs.

#### Hotels and Apartments

Ala., Birmingham—John Wanamaker Co., City Hall Square, Philadelphia, and Broadway and Tenth St., New York, has contract for furniture, draperies and furnishings, costing about \$250,000, for 16-story, \$1,600,000 Hotel Bankhead, under construction at Fifth Ave. North and 23rd St.\*

Ark., Fayetteville—Mrs. A. W. Way erect \$14,000, 20-room, brick apartment house at College Ave. and Spring St.; Earl Bird, Archt. & Contr.; 2 stories and basement, steam heating, 4 apartments.

Fla., Daytona Beach—Buchholz Construction Co., New Medical Bldg., Asheville, N. C., let contract to S. G. Williams, Ocala, for driving 1200 piles to constitute main portion of foundation for \$2,000,000, 15-story hotel on Fairland Point, Daytona Shores, for Commodore J. Perry Stoltz.\*

Fla., Eustis—Fred W. Green, 907 Orange Ave., erecting \$20,000, 2-story, frame and stucco apartment house, Magnolia Ave. and Exeter St.; Spanish type, 8 suites, roll asbestos roof, wood floors, cement block foundation, ventilators; Lissiter, Lake View Ave., electric work; Ed. Shaller, Bay St., plumbing; Arthur Sharp, porch floors and lower hallway; Ryan & Roberts, Archts., 240 S. Orange St., Orlando. (See Machinery Wanted—Stucco Work; Plaster Work.)\*

Fla., Jacksonville—Modern Builders, Inc., 315 Lutz Bldg., Jas. E. Butler, Pres., plan apartments. (See Contracts Awarded—Dwellings.)

Fla., Lake Worth—Bossinger Development Co., C. A. Daw, Pres., P. O. Box 1128, erect hotel in connection with development at Bossinger, Okeechobee County; P. N. Lawson, Contr., Okeechobee.

Fla., Sarasota—John Ringling let contract to Hegeman-Harris Co., Inc., 360 Madison Ave., New York, for \$2,000,000 Ritz-Carlton Hotel on Longboat Key; Warren & Wetmore, Archts., 16 E. 47th St., New York; Arthur L. Bobbs, Struc. Engrs., Grand Central Terminal, New York.\*

Fla., Tampa—Isaac Hanan, 421 W. Park Ave., laying foundations for 4 apartment houses in Hanan Estates, to accommodate 56 and cost \$200,000; part of \$1,500,000 program now under way; concrete, stucco and frame construction; R. Robert Swartburg, Archt., Tampa, and 2 W. 46th St., New York; construction by owner under supervision of Thomas Altieri.\*

Fla., West Palm Beach—J. P. Kean erect \$100,000, 3-story, fireproof hotel on Third St.; W. Lee McLane, Hollywood, Contr.

Fla., West Palm Beach—Thomas E. Wilkins erect \$15,000, 2-story, 8-apartment house, 13th St.; owner supervise work.

Fla., West Palm Beach—Palm Beach Guaranty Co., W. J. Van Behren, Pres.; C. M. Henderson, Vice-Pres., let contract to Chalker-Lund & Crittenden for 7-story, \$600,000 apartment house as addition to Hibiscus Apartments on H St.; artificial ventilation, electric refrigeration, high-speed elevators; William Manly King and Kenneth Campbell, Asso. Archts.

Miss., Pass Christian—George J. Glover Co., Inc., Contrs., Whitney-Central Bldg., New Orleans, La., let following sub-contracts for Pine Hills Hotel; Builders Iron Work Co., 309 Dorcas St., St. Louis, Mo., ornamental, wrought and cast iron; Wittenmeier Machinery Co., 850 N. Spaulding Ave., Chicago, Ill., refrigerating plant; Enochs Lumber & Manufacturing Co., S. Stale St., Jackson, millwork; Robinson Brothers Plumbing Co., 214 W. Barr St., Pine Bluff, Ark., heating, plumbing, ventilating, oil burning equipment, etc.; Hamilton Brothers Co., Gulfport, Miss., roofing, metal work, etc.; American Sheet Metal Works, Hagan Ave. and Perdido St., metal windows, K. I. doors and elevator doors; Jahncke Service Inc., 814 Howard Ave., building material, also dredging channel; Frank J. Matthews Co., Inc., 419 Carondelet St., priming, staining, painting, etc.; all New Orleans.\*

Miss., Ripley—Sanitary Plumbing & Metal Works, Jackson, Tenn., has contract to install steam heat and water system in Craig Hotel, under construction.

Mo., St. Louis—H. M. Straub, 106 N. Eighth St. erect three 2-story, 25x40 ft., brick tenements, 4944-8 San Francisco St.; \$21,000; tar and gravel roofs, furnace heat; Korte Realty & Loan Co., Archt.-Builder, 106 N. Eighth St.

Mo., St. Louis—Meinert-Realker Real Estate & Building Co., 5627 Gravois St., erect \$16,000, 16-room, 26x45-ft. tenement, Penn-

**sylvania Park, Richmond Heights; owner builds.**

**Mo., St. Louis**—B. Kaplan, 802 Chestnut St., let contract to Harris Realty Co., same, for five 2-story, brick, 22x40-ft. tenements, 5041-9 Marcus St.; \$30,000; tar and gravel roofs, furnace heat; C. A. Uhlman, Archt., 802 Chestnut St.

**Mo., St. Louis**—F. A. Keck & Co., 4351 Warne St., erect two 24x50-ft. tenements, 4354-6 Warne St., \$16,000; also \$10,000, 34x52-ft. tenement, 4358-60 College St.; composition shingle roofs, hot air heat; A. R. Wiles, Archt., 815 E. Gano St.; owner builds.

**Mo., St. Louis**—M. Goldman Real Estate Co., 212 Title Guaranty Bldg., let contract to Pomeroy Construction Co., 215 Title Guaranty Bldg., for four 2-story, brick, 34x40 ft. tenements, 5515-27 Palm St.; \$36,000, composition roofs, furnace heat; O. J. Popp, Archt., Arcade Bldg.

**Mo., St. Louis**—Missouri Realty & Construction Co., 2117 Page Blvd., erecting 24x44 ft., \$12,000, 2-story, 2-family tenements, 2530 to 38, 2600 to 26 and 2601 to 25 Burd Ave.; hardwood flooring, concrete foundation, composition roofs; William Tipton Heating Co., 4948 Easton St., hot air heat; William Beckman, 3447a Magnolia St., plumbing; Union Electric Light & Power Co., electric lighting; Laclede Gas Light Co., gas lighting; St. Louis Terra Cotta Co., 5813 Manchester St., terra cotta; Sinclair Stone Co., 6932 Manchester St., cut stone; H. W. Guth, Archt., 813 Chestnut St.; owners build. (See Machinery Wanted—Flooring (Hardwood).\*)

**Mo., St. Louis**—B. Ray, 3902 Beachwood St., erect \$10,000, 34x50 ft., 2-story tenement, 2521-3 Hodiamont St.; composition roof, hot air heat; Ray Brothers, Archts.-Builders, 6226 Green St.

**Mo., St. Louis**—Philip Construction Co., 4919 Lotus St., erect two 2-story, brick, 34x54-ft. tenements, 2151-3 and 2155-7 Maury St.; \$22,000, composition roofs, steam heat; S. O. Schumacher, Archt., 8633 Mora Lane; owner builds.

**Mo., St. Louis**—V. Laux, International Life Bldg., let contract to B. S. Cornwell, 109 N. Eighth St., for two \$9000, 2-story, brick, 40x37-ft. tenements, 4101-3 Oregon and 2836-8 Gasconade Sts.; composition roofs, furnace heat; H. Grote, Archt., Times Bldg.

**Mo., St. Louis**—O. H. Remmers, 2040 Russell St., erect \$10,000, 2-story, brick, 34x50-ft. tenement, 2118-20 Dolman St.; composition roof, hot air heat; owner builds.

**Mo., St. Louis**—R. R. Rosemond Co., 5342 Quincy St., erect two 2-story, brick, 25x76-ft. tenements, 5526-30 Milentz St.; \$14,000, tar and gravel roofs, hot air heat; owner is Archt.-Builder.

**Mo., University City (Sta. St. Louis)**—Mrs. Ida W. Peterson, 6031 Westminster St., let contract to J. H. White, 2010 Alameda St., for \$15,000, 2-story, 44x55-ft., 4-family tenement, 7042 Forsyth St.; composition roof, steam heat; V. Mueller, Archt., Richmond Heights.

**N. C., Hendersonville**—Morris & McKoy Building Co., Finlay Bldg., Greenville, S. C., just secured contract for \$70,000, 4-story, brick apartment building.

**Okl., Tulsa**—R. R. Park, Mid-Continent Bldg., start work April 15 on \$130,000, 3 1/2 story, wood joist, brick and tile walls, 41x121 ft. hotel, 1212 S. Cheyenne St.; concrete and oak floors, concrete foundation, composition roofing; N. E. Peters, Archt., Orear-Leslie Bldg., Kansas City, Mo.; construction by owner. (See Machinery Wanted—Tile; Metal Ceilings; Plaster Board; Incinerators; Flooring; Mail Chutes; Marble, Cast Stone).\*

**Tenn., Chattanooga**—Read House, care Sam R. Read, 600 Vine St., closed following contracts for bedroom furniture and furnishings for 260-room Read House; Tennessee Furniture Corp., W. First St., bedroom furniture costing \$50,000; silverware, International Silver Co., Meriden, Conn., \$15,000; box springs for all beds. Weiss Co., Cincinnati, Ohio; carpets, Alex Smith & Son, 285 Fifth Ave., New York.\*

**Tenn., Lenoir City**—Mr. Lacy, owner of Hotel Lacy, started work on 4-story annex, with entrance and lobby on A St.

**Tenn., Knoxville**—Jack Henry, 1012 S. Central Ave., erecting brick veneer, 18-room, 4-apartment house in Burlington.

**Tenn., McMinnville**—J. B. Brown, E. Main St., recently let contract to S. O. McAdoo, Sparta, Tenn., for \$60,000, 3-story, 60x150-ft., brick and hollow tile hotel, E. Main and Sparta Sts.; concrete foundation, built-up roof; equipment and furnishings cost \$15,000; Mr. Bateman, Archt.-Engr. (See Machinery Wanted—Tile; Metal Ceilings; Wire Glass; Rolling Partitions; Elevators; Flooring).\*

**Tenn., Memphis**—Brumbelow & Graettle

have permit for \$35,000, 48-room, brick veneer, 12-apartment house, 144 N. Belvedere St., for S. D. Payne; heat, \$2000; tile garage, \$1000.

**Tenn., Memphis**—Crawford W. Irvinelet, 75 Davant St., let contract to Southern Construction Co. for \$40,000, brick veneer, 16-apartment building, 1800 Lamar St.; heat \$2000, garage \$500.

**Tex., Abilene**—R. M. & J. E. Barnes erect \$28,000, concrete and stucco, 2-story, 48-room apartment building with day labor.

**Tex., Dallas**—Dallas Hotel Co., Commerce and Akard, let following sub-contracts on \$100,000, 2-story and basement Adolphus Arcade: Madden & Conlon, 513 S. Zangs Blvd., heating and plumbing; Vilbig Bros., Paris and Bourbon Sts., excavating; Wm. K. Grace Engr. Co., Kirby Bldg., wiring; Bryan & Sharp, Archts., 1210 Athletic Club Bldg.\*

**Tex., Edinburg**—Mrs. Myrtle Forbes started work on 20-room, 2-story apartment house.

**Tex., Harlingen**—R. E. Ewing has contract for \$55,000, 80x140-ft. hotel building; 5 stores on ground floor, 49 hotel rooms above.

**Tex., Hillsboro**—Johnson Hotel Co. let contract to Walsh & Burney, 928 N. Flores St., San Antonio, for \$70,000, 3-story, fireproof, brick, stone and reinforced concrete hotel building.

**Tex., Houston**—A. Lee Brown, 2003 Milam St., let contract for \$17,750, 2-story, brick veneer apartment house on W. Gray Ave.

**Tex., Houston**—Charles P. Jones & Co., Archts., Binz Bldg., announced contract let to J. M. Goldsmith, 615 San Jacinto St., for remodeling Cotton Hotel, Rusk Ave. and Fannin St.

**Tex., Houston**—Lightfoot-Bolton Construction Co., 3103 Main St., erect \$12,000, 2-story, brick veneer apartment house, 1505 Taft St., for S. M. Griffith, 610 Avondale St.

**Tex., McAllen**—L. J. Daniel, Donna, let contract for 2-story, 4-apartment house on N. 12th St.

**Tex., McAllen**—C. A. Walker, Wichita, Kansas, started work on 2-story, Spanish type, stucco finish, 14-apartment house, 19th Ave. and 10th St.

**Tex., Port Arthur**—W. J. Wutke, owner of Central Hotel, let contract to McDaniel & Hartnett, 625 Procter St., for \$17,000, brick and reinforced concrete, 24-room fourth floor addition; Livesay & Wiedemann, Archts., 607 San Jacinto Life Bldg., Beaumont.

**Tex., San Antonio**—P. J. Ruddell, Builders Exchange Bldg., let contract to W. J. Tarrance & Co., Gunter Bldg., at \$12,300, for 2-story, 30x40-ft. brick and concrete apartment house, N. Woodlawn near Sabina St.; H. M. Warren & Co., Archts., Builders Exchange Bldg.

**Tex., San Antonio**—H. Zedler, care Beacon Lumber Co., 708 W. Summit St., let contract to Charles Slaughter, 121 Davis Court, for \$10,000, 2-story, frame and stucco apartment house, 536 Kings Highway.

**Tex., Victoria**—Anchor Lumber Co. started work on 4-apartment house on E. Santa Rosa St. for Joseph Lucchese.

**Va., Virginia Beach**—Chamberlin Metal Weather Strip Co., Inc., 121 N. Third St., Richmond (Br. Office), has been awarded contract for weather stripping of all window openings of \$1,000,000 resort hotel under construction by Baker & Brinkley Co., Dickson Bldg., Norfolk.\*

#### Miscellaneous

**Ark., Little Rock**—Willow Beach Country Club, W. R. Adcock, Pres., 1614 W. 22nd St., let contract to J. A. Jones, 105 W. 24th St., for \$15,000 fireproof clubhouse; locker rooms for men and women, exterior of white stucco over brick; J. H. Bliss, Archt., A. O. U. W. Bldg.

**Fla., Bradenton**—Mrs. Marle C. Little announced immediate construction of community market building on Holly St. between Manatee Ave. and Washington St.; Major Jones will have charge of construction.

**Mo., St. Louis**—Wm. H. Smith-Nelson Cuniff Co., Contrs., 110 N. Seventh St., erect clubhouse, Big Bend Road and Meramec River, in connection with development for Osage Country Club, 1317 Chemical Bldg.\*

**Va., Richmond**—Henry W. Woody, 700 N. 25th St., erect \$25,000, 2-story, brick funeral home, 700 N. 25th St.; slate roof, wood floors, concrete foundation; plans and construction by James Fox & Sons, 2501 E. Franklin St.

#### Railway Stations, Sheds, Etc.

**Fla., Davenport**—Atlantic Coast Line Rwy. Co., A. M. Griffin, Engr. of Buildings, Davenport, N. C., erecting \$17,000, 1-story, brick railway station; concrete floors and

foundation, metal roof; Elliott Building Co., Contrs., Hickory, N. C.; plans by Mr. Griffin.\*

**Fla., West Palm Beach**—Florida East Coast Railway Co., H. N. Rodenbaugh, Vice-Pres., St. Augustine, erecting \$75,000, 1-story, steel frame, stucco on brick, 50x15-ft. freight house; Johns-Manville asbestos roof, concrete foundation, mastic flooring, metal doors, steel sash and trim, ventilators; Henry McCarrell, Archt.; W. G. Brown, Engr., both St. Augustine; The Flagler Co., Contrs., Redrock Bldg., Jacksonville.\*

**N. C., Greensboro**—Consolidated Engineering Co., 20 E. Franklin St., Baltimore, Md., let sub-contract for excavation and grading to Gus Ginn for \$700,000 passenger station of Southern Railway Co., Henry W. Miller, Vice-Pres., Washington, D. C.; sub-contract for fabrication of steel frame to Virginia Bridge & Iron Co., Madison Ave. N. E., Roanoke, Va.; plumbing; Toomey Plumbing & Heating Co., Charlotte; heating, B. MacKenzie, Greensboro; electric work, Richardson Wayland Co., Roanoke.

#### Schools

**Fla., Tallahassee**—Florida State College for Women let contract to O. C. Brown for repairs and expansions to buildings, totaling \$65,000, as follows: Repairs to interior of Administration Building, \$45,000; dining hall, \$12,000, and altering and improving interior of Elizabeth and Broward Halls, \$4000 each.

**Ga., Atlanta**—Georgia School of Technology let contract to George A. Clayton Co., Bonita Allen Bldg., at \$96,600, for 3-story, 126x39 and 56x41 ft. dormitory; brick walls, wood posts and girders, wood joists, wood, tile and terrazzo floors, concrete foundation, slate roof; Landers Plumbing & Heating Co., Luckin St., steam heat and plumbing; Rhem & McKamy, electric lighting; David Lupton Sons Constr. Co., Bonita Allen Bldg., steel casements; Atlanta Sheet Metal Works, Marietta St., roofing and sheet metal work; Cole Iron Works, 728 Murphy St., ornamental and miscellaneous iron; Capitol Stone Co., limestone; Bush, Brown & Stowell, Archts., 15 Techwood Drive; J. H. Galley, Asso. Archt., 53 W. Twelfth St.\*

**La., Baton Rouge**—East Baton Rouge Parish School Board let contract to Burkes & Haley, 1117 Convention St., at \$109,300, for erecting McKinley high and elementary school building for negroes; Baton Rouge Electric & Machine Works, 523 Third St., electrical work, \$4016; Craft-Rushworth, Ltd., Broad St., Lake Charles, heating and plumbing, \$18,250; Jones, Roessel & Olschner, Archts., Mainson Blanche Bldg., New Orleans.\*

**La., Grand Bayou**—Red River Parish School Board, Coushatta, let contract to Hedges & Hedges, Natchitoches, at \$83,000, for 2-story, brick high school building; Edward F. Neild, Archt., Merchants Bldg., Shreveport.\*

**La., Mansfield**—Mansfield Female College let contract to C. M. Corbin, at \$22,580, for auditorium to be known as Epworth Hall; 54x60 ft. auditorium on second floor with 30x25-ft. stage; dining room and kitchen on lower floor; C. J. Brewer Anthony, plumbing.\*

**Miss., Poplarville**—Board of Trustees of Pearl River County Agricultural High School and Junior College let following contracts for brick building; Priester & Poole, Meridian, \$47,000; Hattiesburg Plumbing Co., Hattiesburg, heating and plumbing, \$4650; Electric Service Co., Laurel, wiring, \$625.\*

**Miss., Tougaloo**—American Missionary Assn. of New York let contract to I. C. Garber for \$58,000 1-story, brick Academic Building at Tougaloo College, Rev. Wm. T. Holmes, Pres.; composition shingle roof, equipment and furnishings cost \$12,000; E. J. Hull, Archt.\*

**Mo., Bolivar**—Board of Education, care H. C. McCracken, P. O. Box 163, let contract to M. E. Gillioz, at \$34,000, for steel, tile, brick and concrete, 126x72-ft., fireproof, 3-story High School building; 18 classrooms, gymnasium and auditorium.\*

**N. C., Charlotte**—Mecklenburg County Board of Education let contract to W. W. Hawkins, 404 1/2 W. Trade St., at about \$55,000, for erection of Dixie-Big Springs Consolidated high school; 18 classrooms, library, office and auditorium to seat 650; A. Z. Price Heating Co., heating; McAuley Plumbing Co., plumbing; Woodside Electric Co., electric work; Central Lumber Co., shop work and framing materials; Louis Asbury, Archt., 1514 E. Fourth St.

**N. C., Concord**—Cabarrus County Board of Education let contract to C. B. Mooney, Mocksville, at \$81,295, for 2 high school buildings; E. G. Grady, plumbing, \$5893.

**N. C., Elizabeth City**—Pasquotank County Board of Education, M. P. Jennings, Supt.,

In writing to parties mentioned in this department it will be of advantage to all concerned

if the Manufacturers Record is mentioned.

## CONSTRUCTION DEPARTMENT

## Manufacturers Record

let contract to John W. Hudson, Jr., Tarboro, at \$49,400, for erection of Central High School building; 1 story, 17 classrooms, science laboratories, offices, teachers' rest room, library, music rooms, auditorium seating 700; R. W. Dixon, Wilmington, heating, \$4245; plumbing, \$1700; wiring to George W. Ballance, \$440; Leslie N. Boney, Archt., Murphison Bldg., Wilmington.\*

N. C. Stecoah—Graham County Board of Education, Robbinsville, recently let contract to W. T. Moore, Andrews, at \$27,000, for 1-story, stone high school building; concrete foundation, Richardson roof, hardwood floors; Robert Reece, Andrews, heating and plumbing; Frank B. Simpson, Archt., 110 E. Lane St., Raleigh.\*

Tenn., Jefferson City—W. R. Toney, Morristown, erecting \$40,000, 2-story, brick, 62x142-ft. school building; oak and concrete floors, concrete foundation, slate roof, ventilators; Burleson & Louis, steam heat and plumbing; Barber & McMurry, Archts., 425 W. Clinch Ave., Knoxville; also has contract for school building at White Pine; Jefferson County Board of Education, owners.\*

Tex., Colorado—Board of Education let contract to F. A. Mote, Dallas, at \$101,230, for 3-story, fireproof, brick, stone and reinforced concrete High School building; Colorado Plumbing & Heating Co., plumbing and heating; Sun Electric Co., Abilene, wiring; C. H. Griesenbeck, Archt., S. W. Life Bldg., Dallas.\*

Tenn., Waco—William Smith, Contr., 1008 Franklin Ave., started work on \$14,000, 70x50 ft., 2-story school for Franciscan Monastery, 301 Jefferson St.; auditorium on first floor, classrooms above; H. L. Spicer, Archt., 1614 Amicable Bldg.

## Stores

Ark., Fayetteville—Ellis Sutton has contract for business building on Mountain St.

Fla., Bunnell—John Berwitz, New York, started work on concrete store and residence at Ridgewood Ave. and Dixie Highway; also erecting shop for manufacture of concrete blocks.

Fla., Clearwater—George A. Manwarren and Frederick L. Hanson, N. Fort Harrison Ave., erecting \$50,000, 2 story, reinforced concrete frame, hollow tile, 43.6x92-ft. store and office arcade; tile and hardwood floors, reinforced concrete foundation; Harry F. Cunningham, Archt., St. Petersburg, 507-10 J. Bruce Smith Bldg. (See Machinery Wanted—Interior Tile; Tile Flooring.)\*

Fla., Delray—Progressive Builders, Inc., let contract to I. J. Sinks for \$10,000, 1-story, 87x65 ft., concrete block building on Second Ave.

Fla., Jacksonville—E. M. I'Engle let contract to O. P. Woodcock, Duval Bldg., for \$10,000, 1-story brick addition at rear of 502 W. Forsyth St.

Fla., Pompano—Gordon Nye, 275 N. E. First Ave., Miami, erecting \$16,000, 2-story, reinforced concrete skeleton and blocks, 75x82 ft. furniture store, Broadmoor and Sunylan Blvds. in Sunylan; built-up roof, reinforced concrete foundation, hollow tile, wire glass, tile and concrete floors, ventilators, limestone, terra cotta trim, equipment and furnishings cost \$4000; Brown Electric Co., electric work; Pompano Plumbing Co., plumbing; Hollywood Block & Tile Co., Hollywood, concrete blocks; Broward Lumber Co., lumber; South Florida Supply Co., steel; both Fort Lauderdale; J. A. Ballou, Contr., Box 28, Pompano; J. E. Wells, Archt.; S. F. Rhine, Engr., Marshall Bldg., both Fort Lauderdale.\*

Fla., St. Petersburg—R. F. and C. M. Schroeter, East 415 Thirteenth Ave., N., erecting \$80,000, 2-story, cement block, wood studded, metal lath and stucco, 150x125 ft. building, Seventh Ave. South and Third St., contain 15 stores and 54 sleeping rooms; red oak floors, built-up roof, equipment and furnishings cost \$10,000; J. A. Ingram, Archt., Miller Bldg.; construction by owners. (See Machinery Wanted—Electric Refrigerators; Roof Ventilators; Hotel Furnishings; Plumb-

ing; Plastering; Metal Lath; Electric Fixtures.)\*

Fla., St. Petersburg—L. K. Gorman let contract to Eric T. Clanson for \$30,000, 1-story, 60x100-ft. 10-store building, Sixth St. and Fifth Ave. North; W. J. Carpenter, Archt.

Ga., Macon—S. H. Kress & Co., 114 Fifth Ave., New York City, excavating for 3-story, \$80,000, 208.6x41.6 ft. brick and wood store building, 610-12 Cherry St.; Barrett roof, concrete foundation, concrete, wood, tile, pine and linoleum flooring, hollow and interior tile, metal doors and ceilings, wire glass, dumb waiters, vault lights, marble, terra cotta trim; Opry Plumbing & Heating Co., steam heat and plumbing; Morris Putzel, electric work; L. M. Leathers, Athens, Ga., sheet metal and roofing; Knoxville Lumber & Mfg. Co., Randolph and Depot Sts., millwork; Charles H. Lawson, painting; both Knoxville; E. J. T. Hoffman, Archt., 114 Fifth Ave., New York; V. L. Nicholson Co., Contrs., 102 W. Clinch Ave., Knoxville, Tenn. (See Machinery Wanted—Plastering; Fire Doors; Miscellaneous Iron.)\*

Fla., St. Petersburg—J. Harris Jones let contract to Echoes Construction Co., 1352 22d St. S., for \$50,000, tile and stucco, 15-store room building, Orange Ave. and Fourth St.

La., Lake Charles—R. S. McCook, Archt., Frank Bldg., let contract to W. J. Quick, Swift Bldg., at \$28,922, for brick, concrete and steel, 37x100-ft., 2-story C. D. Moss Estate building.\*

Md., Baltimore—Wilson Brothers, 122 W. 25th St., started work on \$10,000, 3-story, 26x80 ft., mill construction hardware store, 126-8 W. 25th St.; maple floors, stone foundation, Carey roof; John R. Forsythe, Archt., S. E. Lexington St.; Carl Schmidt, Contr., Heister Tower Bldg.\*

N. C., Thomasville—M. B. Hite, Propr. of Star Furniture Co., let contract to Reed Everhart for 3-story, 50x110-ft., brick and steel store building, E. Guilford St.

Tenn., Erwin—L. H. Phetteplace, Main St., let contract March 1 to Price & Randolph for 4 brick stores, Main St.; W. S. Mosely, Archt.\*

Tenn., Knoxville—Ben Driftler let contract to Harvey E. Rogers, 900 Jackboro St., for brick store building, McCalla Ave. in Burlington.

Tenn., Knoxville—Ben Diftler, 106 Haynes Place, erect brick building for 2 stores, in Burlington; Harvey E. Rogers, in charge of construction.

Tenn., Knoxville—Maxwell - Chalker - McGoldrick, Inc., 122 S. Gay St., acquired 8-story building at 120 Gay St., adjoining present building; started work of remodeling both buildings; A. H. Whisman, Contr., 206 W. Church St.; A. B. Baumann & Son, Archts., 813½ Market St.

Tenn., Knoxville—Grady W. Spalding, 732 Chickamauga Ave., erecting building at Chickamauga and Pershing Sts., contain 5 stories.

Tenn., Rutherford—Rutherford Bank erecting 90x100 ft., 1-story, brick stores.

Tex., Alto—Finan Smith let contract to W. R. McCuistion for three 1-story brick store dwellings, 200 block Main St.; two 15x90 ft., other 20x90 ft.; plate glass fronts; Ed Foss, concrete work and plaster.

Tex., Appleby—Mangham & Matthews, Grocers; E. W. Dennard, barber, and A. L. Mangham, cafe, will occupy brick buildings under construction; \$15,000.

Tex., Corpus Christi—J. F. and F. H. Wagner, 1010 Bay View Ave., started work on 50x125-ft., reinforced concrete and steel, face brick, hollow tile and plaster building on Chaparral St., to be occupied by Calvert Furniture Co., Guggenheim-Cohn Bldg.\*

Tex., Corpus Christi—H. L. Naso and Mrs. Justina Bluntzer, 909 N. Carancahua St., let contract to J. F. & F. H. Wagner, Corpus Christi and San Antonio, for \$12,000, 1-story, reinforced concrete and steel, 50x125-ft. business building.

Tex., Dallas—P. R. Freeman, 724 Kirby Bldg., let contract to Lee R. Doughty, 320

E. Ninth St., at \$21,300, for 1 story, 106x87 ft., brick business building; Dixieland Electric Co., 3501 Main St., wiring, \$804; Sanguiet & Payne, 2101 Live Oak St., plumbing, \$1493; Lang & Witchell, Archts., 300 American Exchange Bldg.

Tex., Dallas—Fakes Furniture & Carpet Co., 1609 Elm St., let contract to M. J. Emmins, 3502 McKinney St., for remodeling and enlargement of 2-story, brick building, 121719 Elm St., \$200,000; Coburn, Smith & Evans, Archts.

Tex., Houston—L. B. Price Mercantile Co., 2200 Washington St., let contract to W. E. Woodruff, for 1-story, brick and hollow tile building, Union and Taylor Sts.; Joseph Finger, Archt., Keystone Bldg.

Tex., Jewett—Sam Campbell let contract to Rankin Construction Co. for erecting 3 store buildings.

Tex., Plainview—N. R. Northcutt erecting 50x50-ft., brick building on Broadway; provides 3 stores.

Tex., San Antonio—Mission Provision Co., 114 Blue Star St., let contract to Jay DePut, Builders Exchange Bldg., for \$27,000 building, 1603 San Marcos St.

## Theaters

Fla., Bunnell—James M. Biddle let contract for \$20,000, 42x85 ft. motion-picture theater; leased by George F. Gonia.

N. C., Charlotte—Piedmont Realty & Development Co., J. H. Cutter, Pres., Johnston Bldg., let contract to J. A. Jones Construction Co. for \$500,000 theater building, S. W. cor. N. Tryon and Sixth Sts.; seat 1700, automatic refrigeration system; leased by Famous-Players Lasky Corp., 485 Fifth Ave., New York; R. E. Hall & Co., Archts., 485 Fifth Ave., N. Y.; Charles C. Hook, Supv. Archt., 338 S. Church St.\*

Tenn., Knoxville—W. F. Brock, Mgr. of Strand Theater, 403 S. Gay St., expending \$15,000 for complete remodeling; include new seats on orchestra floor, new screen, repainting and redecorating, etc.

## Warehouses

Fla., Miami—Carrol Roofing Co. let contract to T. O. Richardson, Inc., for \$13,000 warehouse and office building, 3306 Ponce De Leon Blvd.; A. J. Heiles, Archt.

Fla., Miami—Gulf States Furniture Co., Inc., 841 N. Miami Ave., let contract to A. Newton Robson, 1883 S. W. 11th St., for \$60,000 warehouse, N. W. 24th St.; Brookie & Leskie, Archts.

Fla., Tampa—W. E. Hammer, 311½ Zack St., recently let contract to Nix-Macdonald Co., 21 Knight & Wall Bldg., for \$265,000, 3-story, 95x210 ft., reinforced concrete warehouse and furniture display building, 209 S. Franklin St.; wood and cement floors, concrete foundation, built-up roof; W. H. O'Dell, Archt., 16 Knight & Wall Bldg.; H. A. Spies, Engr., 21 Knight & Wall Bldg. (See Machinery Wanted—Incinerators; Flooring.)\*

Fla., West Palm Beach—Osborne Brothers erecting \$25,000, 135x75-ft., 2-story warehouse, Elizabeth St.; also erect 2 warehouses on Avon St., \$40,000.

Mo., St. Louis—R. S. Colnon, 502 Merchants Laclede Bldg., erect \$15,000, 1-story, brick, 50x200 ft. warehouse, 2101 Clifton St.; Fruin-Colnon Contracting Co., Archts. Builders, Merchants Laclede Bldg.

Tex., Houston—Ed H. Harrell, care Bender Hotel and J. H. Smith let contract to Pearson & Ellis, 1506 Post-Dispatch Bldg., for \$45,000, 98x206 ft., fireproof, brick, tile and reinforced concrete warehouse.

Tex., Houston—W. H. Irvin, 106 Avondale St., let contract to W. E. Woodruff, Laredon Bldg., at \$10,272, for 1-story, concrete and brick warehouse, Union and Taylor Sts., to be occupied by L. B. Price Mercantile Co., 2200 Washington St.; Joseph Finger, Archt., Keystone Bldg.

Tex., Houston—Lone Star Bag & Bagging Co., 2102 Brooks St., erect \$10,000 addition to frame and corrugated iron warehouse at 2102 Brooks St.; T. E. Jackson, Contr.

## MACHINERY, PROPOSALS AND SUPPLIES WANTED

**Aerial Photographs.**—S. S. Martin, Director of Finance, St. Petersburg, Fla.—Receives bids March 22 to furnish aerial photographs of city.

**Air Compressors.**—Carpentier Equipment Co., Box 155, Fort Lauderdale, Fla.—Wants to correspond with manufacturers or dealers of portable air compressors.

**Aluminum Ware.**—Marine Corps, Quartermaster's Dept., Washington, D. C.—Receives

bids April 6 to furnish 800 soup tureens, 500 water pitchers; delivery Philadelphia, Pa. Sch. 470.

**Aluminum Ware.**—U. S. Veterans' Bureau, Supply Division, Washington, D. C.—Receives bids March 19 for aluminum ware, including 460 saucers, 348 pitchers, 400 sink strainers, 600 salt and 600 pepper shakers, 300 tea strainers, 100 tea kettles, 300 jelly moulds, 150 coffee pots, etc.

**Asbestos Board.**—Southwestern Seating Co., 818 S. Presa St., San Antonio, Tex.—Wants regular supply of asbestos board in sheets 3-16 in. thick, 42 in. wide, and 5 & 8 ft. long, colored black through; use 100,000 to 200,000 sq. ft. per year; open for contract.

**Asbestos Packing.**—Marine Corps, Quartermaster's Dept., Washington, D. C.—Receives bids March 23 to furnish 2 rolls as-

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bestos metallic cloth sheet packing and 40 sheets compressed asbestos sheet packing; delivery Quantico, Va. Sch. 468.

**Bandages (Plaster of Paris).**—U. S. Veterans' Bureau, Supply Division, Washington, D. C.—Receives bids March 22 for 100 doz. plaster of paris bandages, 3 in. by 5 yds.; state time of delivery, etc.

**Beds.**—See Hotel Furniture and Furnishings.

**Bedside Lamps.**—U. S. Veterans' Bureau, Supply Division, Washington, D. C.—Receives bids March 30 for 100 hospital bedside lamps.

**Belting Machine.**—Galax Overall & Shirt Co., W. Dalton, Mgr., Galax, Va.—Wants prices on belting machine.

**Blackboard.**—See School Supplies and Equipment.

**Blanco White.**—Marine Corps, Quartermaster's Dept., Washington, D. C.—Receives bids March 30 to furnish 5000 cans blanco white; delivery Philadelphia, Pa. Sch. 461.

**Blankets.**—See Hotel Furniture and Furnishings.

**Boiler.**—Drawer O, Conway, S. C.—Wants one 125 h. p. H. R. T. high-pressure boiler.

**Boiler.**—Ross Power Equipment Co. (Mchv. Dealer), Merchants Bank Bldg., Indianapolis, Ind.—Wants for resale 1000 to 1500 h. p. water-tube boiler, with or without stoker, suitable for 160 lbs. work pressure; reinstallation in Indiana; state condition; without stoker preferred.

**Bolting Machine.**—R. P. Johnson (Mchv. Dealer), Wytheville, Va.—Wants dealers' prices on short-log or bolting machine; second-hand.

**Boring Bar.**—Benjamin F. Price, 1809 Tribune Tower, Chicago, Ill.—Wants horizontal floor type boring bar using 7 or 8 in. bar, for Ohio delivery.

**Boxes or Cartons.**—G. M. Hoover, care of Hoover Chair Co., Lexington, N. C.—Wants data and prices on corrugated boxes or cartons that comply with Southern Shippers' Classification; correspond with manufacturers.

**Brick.**—See Water Works and Sewers.

**Bridge.**—Crockett, Tex., will build 3 bridges. See Construction News—Roads, Streets, Paving.

**Bridge.**—Bay St. Louis, Miss. See Construction News—Bridges, Culverts, Viaducts.

**Bridge.**—Macon, Miss. See Construction News—Bridges, Culverts, Viaducts.

**Brushes.**—U. S. Veterans' Bureau, Supply Division, Washington, D. C.—Receives bids March 19 for 340 pastry brushes and 780 sink brushes.

**Bull-Dozer.**—Greenville Steel & Foundry Co., Box 821, Greenville, S. C.—Wants new or second-hand bull-dozer, suitable for heading bolts, upsetting rods and doing miscellaneous bending.

**Button Machine.**—Galax Overall & Shirt Co., W. Dalton, Mgr., Galax, Va.—Wants prices on button machine.

**Button Machines.**—See Overall Plant Machinery.

**Cartons.**—See Boxes and Cartons.

**Casing.**—See Pipe and Casting.

**Cast Stone.**—Phillips Building Co., 600 Victor Bldg., Kansas City, Mo.—Wants prices on cast stone for \$100,000 4-story apartment house.

**Cast Stone.**—Jos. S. Shaw, Georgia Savings Bank Bldg., Atlanta, Ga.—Wants prices on cast stone for \$600,000 office building, Daytona Beach, Fla.

**Cast Stone.**—R. R. Park, Mid-Continent Bldg., Tulsa, Okla.—Wants prices on cast stone for \$130,000, 3½-story hotel.

**Cast Stone.**—Better Home Construction Co., Room 28, Investment Bldg., Winter Haven, Fla.—Wants prices on cast stone.

**Cast Stone.**—Rev. Harvey L. Humphrey, 406 Y. M. C. A. Bldg., Springfield, Mo.—Wants prices on cast stone for \$55,000 church and Sunday school.

**Cast Stone.**—Rev. K. G. Manz, 603 E. 16th St., Sec. Board of Control Texas Lutheran College, Austin, Tex.—Wants prices on cast stone for \$75,000 dormitory and classroom building.

**Cement.**—City of Collins, Miss. F. C. McRaney, Clk.—Receives bids April 6 to furnish carload cement in 100 lbs. bags or sacks.

**Chinaware.**—U. S. Veterans' Bureau, Supply Division, Washington, D. C.—Receives bids March 26 to furnish chinaware, including 14,400 cereal bowls, 3600 tea cups, 1700 egg cups, 6000 vegetable bakers, 2400 pie plates, 12,000 tea saucers, 14,400 unhandled cups, 1200 oval platter dishes, etc.

**Church Furnishings, etc.**—Shappell & Weller, P. O. Box 1658, New Smyrna, Fla.—Wants equipment proposals for church.

**Church Furnishings, etc.**—Rev. E. L. Ingram, Pastor, Bering Memorial Methodist Church, 1440 Harold St., Houston, Tex.—Wants prices on equipment, etc., \$15,000, for \$45,000 church.

**Church Furnishings, etc.**—S. M. Higgins, 1415 Austin St., Webb City, Mo.—Wants prices on equipment, etc., for \$10,000 church and Sunday school.

**Coal Tipple Machinery.**—The Gunton Park Anthracite Collieries, 208 Delaware Trust Bldg., Wilmington, Del.—Wants prices on machinery and complete equipment for 1000-ton anthracite coal tipple.

**Concrete Flooring.**—S. M. Higgins, 1415 Austin St., Webb City, Mo.—Wants prices on concrete flooring for \$10,000 church and Sunday school.

**Concrete Reservoir.**—See Water Works.

**Concrete Tile Machine.**—G. C. Wilson, Safety Harbor, Fla.—Wants prices on concrete tile machine.

**Concrete Mixers.**—Arthur H. Wagener, 236 W. Flagler St., Room 209-11, Miami, Fla.—Wants data and prices on concrete mixers for erection of hotels in Fort Lauderdale.

**Concrete Work.**—Michael J. Croghan, Propr. of Hotel Frederick, Frederick, Md.—Wants prices on concrete for hotel addition.

**Contractors' Tools and Equipment.**—Arthur H. Wagener, 236 W. Flagler St., Room 209-11, Miami, Fla.—Wants wheelbarrows, miscellaneous tools, etc., for erection of hotels in Fort Lauderdale.

**Cranes.**—Duo Sand & Rock Co., Fourth and Poinsettia St., West Palm Beach, Fla.—Wants to purchase or rent rebuilt cranes.

**Crushers (Stone).**—The Jewel Supply & Equipment Co., Inc., 34 Calvert St., Baltimore, Md.—Wants 2 gyratory or 2 large jaw stone crushers; daily capacity 400 to 500 tons.

**Crushed Stone and Gravel.**—See Water Works and Sewers.

**Cutting (Cloth) Machinery.**—See Overall Plant Machinery.

**Desks.**—See School Supplies and Equipment.

**Dishes.**—See Kitchen Equipment.

**Disinfectant and Naphthalene.**—Marine Corps, Quartermaster's Dept., Washington, D. C.—Receives bids April 5 to furnish 400 gal. disinfectants and 12,000 lbs. naphthalene; delivery Philadelphia, Pa. Sch. 475.

**Doors.**—New Electric Ice Co. of Lake Worth, Dixie Highway and 28th St., Lake Worth, Fla.—Wants prices on doors.

**Dredging.**—Board of Awards, F. A. Dolfeld, Baltimore, Md.—Receives bids Mch. 24 for dredging in harbor; F. W. McKinney, Harbor Engr.

**Dry Cleaning Plant Equipment.**—Johnson-Prevost Dry Cleaning Co., 417 W. Main St., Durham, N. C.—Wants prices on equipment for modern dry cleaning plant, including washers, tumblers, motors, shafting, hangars, etc.

**Dumb Waiters.**—W. N. Howard, Morehead Bluffs, Inc., Elks' Temple, New Bern, N. C.—Wants prices on dumb waiters for \$125,000 hotel.

**Edger.**—J. S. Davis, R. F. D. No. 5, Danville, Va.—Wants one 2-saw ripping machine or edger; second-hand equipment.

**Electric Fixtures.**—R. F. Schroeter, East 415 13th Ave., North, St. Petersburg, Fla.—Wants prices on electric fixtures for \$80,000 2-story store and hotel building.

**Electric Lights.**—E. M. Lowman, Martha Washington Park, Box 1348, Asheville, N. C.—Receives bids June 15 for electric lights for 2000-acre subdivision.

**Electric Motor and Pump.**—Etowah Masonic Club, Inc., D. C., Springfield, Gadsden, Ala.—Wants prices on electric motor and pump.

**Electric Refrigerators.**—R. F. Schroeter, East 415 13th Ave., North, St. Petersburg, Fla.—Wants prices on electric refrigerators for \$80,000 2-story store and hotel building.

**Electric Refrigerator.**—E. E. James, Box 46, Winston-Salem, N. C.—Wants prices on electric refrigerator for \$12,000 residence.

**Electric Refrigerators.**—Phillips Building Co., 600 Victor Bldg., Kansas City, Mo.—Wants prices on electric refrigerators for \$100,000 4-story apartment house.

**Electric Refrigerators.**—W. N. Howard, Morehead Bluffs, Inc., Elks' Temple, New Bern, N. C.—Wants prices on tile, concrete, hardwood, linoleum and rubber tile flooring for \$125,000 hotel.

**Flooring.**—Nix-Macdonald Co., 21 Knight & Wall Bldg., Tampa, Fla.—Wants prices on linoleum and rubber tile flooring for \$265,000 3-story furniture display building for W. E. Hamner.

**Flooring.**—Phillips Building Co., 609 Victor Bldg., Kansas City, Mo.—Wants prices on tile, concrete and linoleum flooring for \$100,000 4-story apartment house.

**Flooring (Hardwood).**—Missouri Realty

Bern, N. C.—Wants prices on electric refrigerators for \$125,000 hotel.

**Electric Refrigerators.**—Rev. K. G. Manz, 603 E. 16th St., Sec. Board of Control Texas Lutheran College, Austin, Texas.—Wants prices on electric refrigerators for \$75,000 dormitory and classroom building.

**Electric Refrigerator.**—C. H. Henry, 1210 E. 27th St., Tulsa, Okla.—Wants prices on electric refrigerator for \$18,000 residence.

**Electric Supplies.**—Marine Corps, Quartermaster's Dept., Washington, D. C.—Receives bids Mch. 29 to furnish electrical supplies; delivery Quantico, Va. Sch. 478.

**Electric Wiring and Motors.**—Board of Awards, F. A. Dolfeld, City Register, Baltimore, Md.—Receives bids March 24 for electric wiring and motor at No. 74 School at Homewood and 22d St., and at No. 84 School at Johnson and Heath St.; C. H. Osborne, Chief Bureau of Bldgs.

**Elevators.**—J. B. Brown, E. Main St., McMinnville, Tenn.—Wants prices on 1 passenger and 1 freight elevator for \$60,000 3-story hotel.

**Enamelware and Chinaware.**—Marine Corps, Quartermaster's Dept., Washington, D. C.—Receives bids April 2 to furnish enamelware and chinaware; delivery Philadelphia, Pa. Sch. 465.

**Engine.**—See Generator and Engine.

**Engine.**—R. P. Johnson (Mchv. Dealer), Wytheville, Va.—Wants dealers' prices on 10 h. p. horizontal engine, without boiler, side or center crank.

**Engine (Oil).**—R. S. Armstrong & Bro. Co. (Mchv. Dealer), 676 Marietta St., Atlanta, Ga.—Wants 50 to 75 h. p., type Y, F.-M. oil engine; good second-hand condition.

**Engine.**—Drawer O, Conway, S. C.—Wants one 75 h. p. Corliss engine.

**Field Water Bags.**—Marine Corps, Quartermaster's Dept., Washington, D. C.—Receives bids April 12 to furnish 65 field water bags; delivery Philadelphia, Pa. Sch. 484.

**Filter.**—New Electric Ice Co. of Lake Worth, Dixie Highway and 28th St., Lake Worth, Fla.—Wants prices on filter for 60-ton capacity plant.

**Fire Doors.**—V. L. Nicholson Co., Contrs., Box 661, Knoxville, Tenn.—Wants data and prices on Kalamein and tin-clad fire doors for \$80,000, 3-story, S. H. Kress & Co. store, Macon, Ga.

**Fire Hose.**—U. S. Veterans' Bureau, Supply Division, Washington, D. C.—Receives bids Mch. 22 for 350-ft. of 2½-in. fire hose, U. S. Standard specification.

**Flags and Guidons.**—Marine Corps, Quartermaster's Dept., Washington, D. C.—Receives bids April 9 for 5 regimental flags and 110 silk guidons; delivery Philadelphia, Pa. Sch. 476.

**Flooring.**—Rev. K. G. Manz, 603 E. 16th St., Sec. Board of Control Texas Lutheran College, Austin, Texas.—Wants prices on tile, concrete and composition flooring for \$78,000 dormitory and classroom building.

**Flooring.**—Shappell & Weller, Archt., Box 1658, New Smyrna, Fla.—Wants prices on terrazzo, rubber tile and composition flooring for \$10,000 filling station.

**Flooring.**—Etowah Masonic Club, Inc., D. C., Springfield, Gadsden, Ala.—Wants prices on tile, terrazzo and concrete flooring.

**Flooring.**—Better Home Construction Co., Room 28, Investment Bldg., Winter Haven, Fla.—Wants prices on tile and terrazzo flooring.

**Flooring.**—Arthur H. Wagener, 236 W. Flagler St., Room 209-11, Miami, Fla.—Wants prices on terrazzo, tile, concrete, hardwood and composition flooring for erection of hotels, Fort Lauderdale.

**Flooring.**—E. E. James, Box 46, Winston-Salem, N. C.—Wants prices on tile, terrazzo, hardwood and linoleum flooring.

**Flooring.**—R. R. Park, Mid-Continent Bldg., Tulsa, Okla.—Wants prices on tile, terrazzo, linoleum and composition flooring for \$130,000, 3½-story hotel.

**Flooring.**—W. N. Howard, Morehead Bluffs, Inc., Elks' Temple, New Bern, N. C.—Wants prices on tile, concrete, hardwood, linoleum and rubber tile flooring for \$125,000 hotel.

**Flooring.**—Phillips Building Co., 21 Knight & Wall Bldg., Tampa, Fla.—Wants prices on linoleum and rubber tile flooring for \$265,000 3-story furniture display building for W. E. Hamner.

**Flooring.**—Phillips Building Co., 609 Victor Bldg., Kansas City, Mo.—Wants prices on tile, concrete and linoleum flooring for \$100,000 4-story apartment house.

**Flooring (Hardwood).**—Missouri Realty

In writing to parties mentioned in this department it will be of advantage to all concerned if the Manufacturers Record is mentioned.

## CONSTRUCTION DEPARTMENT

**& Construction Co.**, 6117 Page Blvd., St. Louis, Mo.—Wants prices on hardwood flooring for tenement houses.

**Flooring.**—T. W. Axley, Chmn., Cherokee County Board of Commrs., Murphy, N. C.—Wants prices on tile, concrete, hardwood and composition flooring for \$250,000 to \$300,000 courthouse; general bids opened April 15.

**Flooring.**—H. B. Posey, Cashr. Bank of West Asheville, West Asheville (Station Asheville), N. C.—Wants prices on concrete, linoleum and composition flooring for \$25,000 to \$30,000 bank and office building; general bids opened March 22.

**Flooring.**—H. C. Corbin, 1300 Central Ave., St. Petersburg, Fla.—Wants prices on tile and linoleum flooring for \$15,000 residence.

**Flooring.**—A. Feibelman, Main St., Eudora, Ark.—Wants prices no tile, concrete and composition flooring for \$30,000 store and hotel building.

**Flooring.**—Smith & Senter, 401-05 Commerce Bldg., Okmulgee, Okla.—Wants prices on tile, terrazzo, concrete, hardwood, rubber tile and composition flooring for \$400,000 office building; general bids opened Mar. 25.

**Flooring.**—Jos. S. Shaw, Georgia Savings Bank Bldg., Atlanta, Ga.—Wants prices on tile, terrazzo, concrete, hardwood and linoleum flooring for \$600,000 6-story office building, Daytona Beach, Fla.

**Flooring.**—Rev. Harvey L. Humphrey, 406 Y. M. C. A. Bldg., Springfield, Mo.—Wants prices on terrazzo, concrete, hardwood and composition flooring for \$35,000 church and Sunday school.

**Flooring.**—J. B. Brown, E. Main St., McMinnville, Tenn.—Wants prices on tile, hardwood, linoleum, rubber tile and composition flooring for \$60,000 3-story hotel.

**Gasoline, Kerosene, etc.**—Marine Corps, Quartermaster's Dept., Washington, D. C.—Receives bids March 24 to furnish gasoline, kerosene and fuel oil. Sch. 473.

**Generator and Engine.**—Benj. F. Price, 1609 Tribune Tower, Chicago, Ill.—Wants 75 kw., 125 volt, D. C. direct connected generator and engine for use in Mississippi.

**Generator Set.**—New Electric Ice Co. of Lake Worth, Dixie Highway and 28th St., Lake Worth, Fla.—Wants prices on motor generator set.

**Glass (Window and Plate).**—Tampa Lumber & Manufacturing Co., 210 N. Rome Ave., Tampa, Fla.—Wants data and prices on window and plate glass; correspond with manufacturers.

**Grading.**—Washington, D. C. See Construction News—Roads, Streets, Paving.

**Gravel.**—Natchitoches, La. See Construction News—Roads, Streets, Paving.

**Gravel.**—J. W. Brodnax, Pres., Police Jury, Morehouse Parish, Bastrop, La.—Receives bids March 23 to furnish 4500 cu. yds. washed gravel, delivered at Collinston, Op-land and Bastrop, for Project No. 5.

**Gravel.**—Louisiana Highway Comm., Baton Rouge, La.—Receives bids March 23 for 11,280 cu. yds. washed and screened gravel, 3539 cu. yds. to be delivered at Logansport, 6415 cu. yds. at Funston, 1326 cu. yds. at Logansstreet; plans on file; W. B. Robert, State Highway Engr.

**Hardware.**—U. S. Veterans' Bureau, Supply Division, Washington, D. C.—Receives bids March 25 to furnish hardware, including 240 varnish brushes, 36 scratch awls, 900 carbon twist drills, various sizes; 700 lbs. cabinetmakers' glue, 100 quires sandpaper, 200 lbs. pumice stone, etc.

**Hardwood Flooring.**—Moore Realty Co., 2 E. Lexington St., Baltimore, Md.—Wants prices on hardwood flooring for dwelling.

**Heating (Steam).**—See Plumbing and Heating.

**Heating Plant (Steam).**—Rev. Harvey L. Humphrey, 406 Y. M. C. A. Bldg., Springfield, Mo.—Wants prices on steam heating plant for \$55,000 church and Sunday school.

**Hoisting Machinery.**—Carpentier Equipment Co., Box 155, Fort Lauderdale, Fla.—Wants to correspond with manufacturers or dealer of hoisting machinery, with view to representation.

**Hoists (Steam).**—Contractor, Room 330 Arcade Bldg., 1947 Broadway, New York City.—Wants two or more 10x12 or larger D. C. tandem drum friction and reversible link steam hoists, large drums; Flory Mfg. Co.'s make only; second-hand equipment.

**Hoist.**—Arthur H. Wagener, 236 W. Flagler St., Room 209-11, Miami, Fla.—Wants prices on material hoist for erection of hotels, Fort Lauderdale.

**Hollow tile.**—A. Feibelman, Main St., Eudora, Ark.—Wants prices on hollow tile for \$30,000 store and hotel building.

In writing to parties mentioned in this department it will be of advantage to all concerned if the Manufacturers Record is mentioned.

## Manufacturers Record

**Mall Chutes.**—Jos. S. Shaw, Georgia Savings Bank Bldg., Atlanta, Ga.—Wants prices on mall chutes for \$600,000 office building, Daytona Beach, Fla., 6 stories.

**Marble.**—Jos. S. Shaw, Georgia Savings Bank Bldg., Atlanta, Ga.—Wants prices on marble for \$600,000 office building, Daytona Beach, Fla.

**Marble.**—Smith & Senter, 401-05 Commerce Bldg., Okmulgee, Okla.—Wants prices on marble for \$400,000 office building; general bids opened March 25.

**Marble.**—H. B. Posey, Cashr. Bank of West Asheville, West Asheville (Station Asheville), N. C.—Wants prices on marble for \$25,000 to \$30,000 bank and office building; general bids opened March 22.

**Marble.**—A. Feibelman, Main St., Eudora, Ark.—Wants prices on marble for \$30,000 store and hotel building.

**Marble.**—R. R. Park, Mid-Continent Bldg., Tulsa, Okla.—Wants prices on marble for \$130,000, 3½-story hotel.

**Metal Ceilings.**—J. B. Brown, E. Main St., McMinnville, Tenn.—Wants prices on metal ceilings for \$60,000 3-story hotel.

**Metal Ceilings.**—Better Home Construction Co., Room 28, Investment Bldg., Winter Haven, Fla.—Wants prices on metal ceilings.

**Metal Ceilings and Doors.**—E. E. James, Box 46, Winston-Salem, N. C.—Wants prices on metal ceilings and doors for \$12,000 residence.

**Metal Ceilings and Doors.**—Etowah Masonic Club, Inc., D. C. Springfield, Pres., Gadsden, Ala.—Wants prices on metal ceilings and doors.

**Metal Ceilings.**—R. R. Park, Mid-Continent Bldg., Tulsa, Okla.—Wants prices on metal ceilings for \$130,000, 3½-story hotel.

**Metal Ceilings.**—W. N. Howard, Morehead Bluffs, Inc., Elks' Temple, New Bern, N. C.—Wants prices on metal ceilings for \$125,000 hotel.

**Metal Ceilings.**—Michael J. Croghan, Propr. Hotel Frederick, Frederick, Md.—Wants prices on metal ceilings for addition.

**Metal Ceilings.**—Phillips Building Co., 609 Victor Bldg., Kansas City, Mo.—Wants prices on metal ceilings for \$100,000 4-story apartment house.

**Metal Ceilings.**—A. Feibelman, Main St., Eudora, Ark.—Wants prices on metal ceilings for \$30,000 store and hotel building.

**Metal Doors, Sash and Trim.**—A. Feibelman, Main St., Eudora, Ark.—Wants prices on metal doors, steel sash and trim for \$30,000 store and hotel building.

**Metal Doors.**—Smith & Senter 401-05 Commerce Bldg., Okmulgee, Okla.—Wants prices on metal doors for \$400,000 office building; general bids opened March 25.

**Metal Doors, Sash and Trim.**—Shappell & Weller, Archt., Box 1638, New Smyrna, Fla.—Wants prices on metal doors for \$20,000 garage.

**Metal Doors, Sash and Trim.**—Jos. S. Shaw, Georgia Savings Bank Bldg., Atlanta, Ga.—Wants prices on metal doors and steel sash for \$600,000 office building, Daytona Beach, Fla., 6 stories.

**Metal Doors, Sash and Trim.**—Better Home Construction Co., Room 28, Investment Bldg., Winter Haven, Fla.—Wants prices on metal doors, steel sash and trim.

**Metal Doors, Sash and Trim.**—Arthur H. Wagener, 236 W. Flagler St., Room 209-11, Miami, Fla.—Wants prices on metal doors, steel sash and trim for erection of hotels, Fort Lauderdale.

**Metal Doors.**—T. W. Axley, Chmn., Cherokee County Board of Commrs., Murphy, N. C.—Wants prices on metal doors for \$250,000 to \$300,000 courthouse; general bids opened April 15.

**Metal Doors.**—Phillips Building Co., 609 Victor Bldg., Kansas City, Mo.—Wants prices on metal doors for \$100,000 4-story apartment house.

**Metal Lath.**—R. F. Schroeter, East 415 13th Ave., North, St. Petersburg, Fla.—Wants prices on metal lath for \$80,000, 2-story store and hotel building.

**Millwork.**—Reinecke Construction Co., Inc., P. O. Box 434, Fayetteville, N. C.—Wants sub-bids on millwork for hospital addition.

**Mining (Kaolin) Machinery.**—Robert L. Steele 3d, Rockingham, N. C.—Wants data and prices on machinery for mining and washing kaolin; correspond with manufacturers.

**Miscellaneous Iron.**—V. L. Nicholson Co., Contr., Box 661, Knoxville, Tenn.—Wants prices on miscellaneous iron for \$80,000, 3-story S. H. Kress Co. store, Macon, Ga.

**Miscellaneous Supplies.**—Marine Corps, Quartermaster's Dept., Washington, D. C.—

Receive bids March 22 to furnish miscellaneous supplies. Sch. 462.

**Miscellaneous Supplies.**—Panama Canal, A. L. Flint, General Purchasing Officer, Washington, D. C.—Receives bids March 27 to furnish lathes, shaper, electric drills, grinders, sheet metal, monel metal, brass, bronze, pipe and tubing, steel and phosphor-bronze wire, manila rope, sanitary fixtures, basin traps, ball joints, shovels, enamelware, canvas, cheesecloth, cover paper, etc. Blank forms and information (Circular 1724) on application to offices of Panama Canal, Asst. Purchasing Agents at New York, New Orleans, Fort Mason, San Francisco, Cal.; also from U. S. Engineer offices throughout country.

**Motors.**—See Electric Wiring and Motors.

**Motor.**—R. S. Armstrong & Bro. Co. (Mch. Dealer), 676 Marietta St., Atlanta, Ga.—Wants 100 or 125 h. p. squirrel cage motor, 3 phase, 60 cycle, 2200 volt, 900 r. p. m.

**Motor.**—Johnson-Prevost Dry Cleaning Co., 417 W. Main St., Durham, N. C.—Wants prices on motor.

**Motor Launch.**—U. S. Engineer Office, 1068 Navy Dept. Bldg., Washington, D. C.—Receives bids March 30 to construct one 36-ft. motor launch.

**Moulder.**—J. S. Davis, R. F. D. No. 5, Danville, Va.—Wants 8-in. moulder; used equipment.

**Office Furniture.**—See Printing Plant Equipment.

**Office Furniture.**—Biscayne Bay Lodge No. 124, F. and A. M., P. M. Martens, Sec., P. O. Box 333, Miami, Fla.—Wants prices on office furniture for \$150,000 lodge building.

**Oils and Greases.**—Travis County Comr., Geo. S. Matthews, Judge, Austin, Tex.—Receives bids April 8 for lubricating oils and greases; delivered in barrel lots to any point in Travis County.

**Overall Plant Machinery.**—Hamilton Burch, Atty., Safety Harbor, Fla.—Wants data and prices on overall plant equipment, including electrically-driven sewing machines, cutters, patterns, button machines, etc.; correspond with manufacturers.

**Painting.**—Board of Awards, F. A. Dolfeld, City Register, Baltimore, Md.—Receives bids March 24 for exterior painting at No. 64 School, Garrison and Main Ave.; C. H. Osborne, Chief Bureau of Bldgs.

**Painters' Supplies.**—U. S. Veterans' Bureau, Supply Division, Washington, D. C.—Receives bids March 29 to furnish painters' supplies, including 500 cans turpentine, 240 bottles shellac, 24 cans wood filler, etc.

**Paper Cutter.**—See Job Printing Plant Equipment.

**Paper and Dictionaries.**—Marine Corps, Quartermaster's Dept., Washington, D. C.—Receives bids April 5 to furnish 70 rolls drawing paper, 250 rolls blueprint paper and 80 dictionaries; delivery Philadelphia, Pa. Sch. 487.

**Paving.**—Baltimore, Md. See Construction News—Roads, Streets, Paving.

**Paving.**—Chattanooga, Tenn.—See Construction News—Roads, Streets, Paving.

**Paving.**—Cleburne, Tex. See Construction News—Roads, Streets, Paving.

**Paving.**—Hereford, Tex. See Construction News—Roads, Streets, Paving.

**Paving.**—Charleston, W. Va. See Construction News—Roads, Streets, Paving.

**Paving.**—Danville, Va. See Construction News—Roads, Streets, Paving.

**Paving.**—Houston, Tex. See Construction News—Roads, Streets, Paving.

**Pipe (Cast Iron).**—See Water Works.

**Pipe.**—W. C. Meadows, Mountain Valley Farm, Pores Knob, N. C.—Wants 2, 2½, 3 and 5 in. black piping, to run water to light plant; interested in pipe salvaged from Government camps.

**Pipe.**—See Water Works.

**Pipe.**—Sewers (Storm and Sanitary).

**Pipe Fittings.**—See Water Works.

**Pipe and Casing.**—Texas Supply Co., Box 1777, Houston, Tex.—Wants second-hand pipe and casing, any size, any quantity; will inspect and pay cash f. o. b. shipping point.

**Pipe Machine.**—Sobel & Rothschild, 930 W. Bay St., Jacksonville, Fla.—Wants used pipe machine which will thread and cut from 2½ to 6 in. pipe; state condition, etc.

**Plaster Board.**—Etowah Masonic Club, Inc., D. C., Springfield, Gadsden, Ala.—Wants prices on plaster board.

**Plaster Board.**—R. R. Park, Mid-Continent Bldg., Tulsa, Okla.—Wants prices on plaster board for \$130,000, 3½-story hotel.

**Plaster Board.**—W. S. Stallings, Gen. Sec.,

Y. M. C. A., 520 N. 20th St., Birmingham, Ala.—Wants prices on plaster board.

**Plaster Board.**—Phillips Building Co., 609 Victor Bldg., Kansas City, Mo.—Wants prices on plaster board for \$100,000 4-story apartment house.

**Plaster Work.**—F. W. Green, 907 Orange Ave., Eustis, Fla.—Wants sub-contract bids on plaster work on \$20,000, 2-story apartment house.

**Plastering.**—V. L. Nicholson Co., Contrs., Box 661, Knoxville, Tenn.—Wants prices on plastering of \$80,000, 3-story S. H. Kress & Co. store, Macon, Ga.

**Plastering.**—R. F. Schroeter, East 415 13th Ave., North, St. Petersburg, Fla.—Wants prices on plaster for \$80,000, 2-story store and hotel building.

**Pipe Organ.**—Rev. Harvey L. Humphrey, 406 Y. M. C. A. Bldg., Springfield, Mo.—Wants prices on pipe organ for 50x60-ft. auditorium.

**Press.**—See Job Printing Plant Equipment.

**Presses.**—See Printing Plant Equipment.

**Printing Plant Equipment.**—G. A. Dungee, Sec., The Central Virginia Publishing Co., Cumberland, Va.—Wants prices on cylinder press, cutter, stands, racks, cases, galleys, furniture, job and body type, etc.

**Printing Press Machinery.**—R. S. Gibbs, Mars Hill, N. C.—Wants equipment for small job print shop; to correspond with manufacturers of small printing press machinery, also type supply houses.

**Pump (Centrifugal).**—J. S. Davis, R. F. D. No. 5, Danville, Va.—Wants one 3-in. centrifugal pump for handling sand; used equipment.

**Plumbing and Heating.**—R. F. Schroeter, East 415 13th Ave., North, St. Petersburg, Fla.—Wants prices on plumbing and steam heating, \$80,000 2-story store and hotel building.

**Power Sewing Machines.**—See Overall Plant Machinery.

**Pumps (Sewerage).**—See Sewers (Storm and Sanitary).

**Rails and Track Fittings.**—The Highway Construction Co., I. Horvitz, Sec. 1215 Guaranty Title Bldg., Cleveland, Ohio—Wants prices on 70-lb. rails and track fittings for sheet asphalt plant at Miami, Fla.

**Reinforcing Steel.**—See Water Works and Sewers.

**Reinforcing Steel.**—See Pipe (Storm and Sanitary).

**Residence Furnishings, etc.**—Dr. S. F. Freeman, 200½ E. Commercial St., Springfield, Mo.—Wants prices on equipment, etc., \$2500, for residence.

**Rifle Telescopes.**—Marine Corps, Quartermaster's Dept., Washington, D. C.—Receives bids March 19 to furnish 10 rifle telescopes; delivery Philadelphia, Pa. Sch. 469.

**Road.**—Gainesville, Fla. See Construction News—Roads, Streets, Paving.

**Road.**—Natchitoches, La. See Construction News—Roads, Streets, Paving.

**Road.**—Houston, Tex., will improve 3 roads. See Construction News—Roads, Streets, Paving.

**Road.**—Crockett, Tex., will build 2 roads. See Construction News—Roads, Streets, Paving.

**Road.**—Towson, Md., will improve 5 roads. See Construction News—Roads, Streets, Paving.

**Road.**—Abilene, Tex. See Construction News—Roads, Streets, Paving.

**Road.**—Baird, Tex., will build 2 roads. See Construction News—Roads, Streets, Paving.

**Road.**—Brownsville, Tex. See Construction News—Roads, Streets, Paving.

**Road.**—Eastland, Tex., will build 2 roads. See Construction News—Roads, Streets, Paving.

**Road.**—Sweetwater, Tex., will build 2 roads. See Construction News—Roads, Streets, Paving.

**Roads (Crushed Stone).**—E. M. Lowman, Martha Washington Park, Box 1384, Asheville, N. C.—Receives bids June 15 for crushed stone roads for 2000-acre subdivision.

**Road Rollers.**—Carpentier Equipment Co., Box 155, Fort Lauderdale, Fla.—Wants to correspond with manufacturers or dealers of road rollers, with view to representation.

**Road-Building Equipment.**—Carpentier Equipment Co., Box 155, Fort Lauderdale, Fla.—Wants to correspond with manufacturers or dealers of road-building equipment, with view to representation.

**Rock Quarry Equipment.**—Carpentier Equipment Co., Box 155, Fort Lauderdale, Fla.—Wants to correspond with manufacturers or dealers of rock quarry equipment, with view to representation.

**Rolling Partitions.**—S. M. Higgins, 1415 Austin St., Webb City, Mo.—Wants prices on rolling partitions for \$10,000 church and Sunday school.

**Rolling Partitions.**—Arthur H. Wagener, 236 W. Flagler St., Room 209-11, Miami, Fla.—Wants prices on rolling partitions for erection of hotels, Fort Lauderdale.

**Rolling Partitions.**—J. B. Brown, E. Main St., McMinnville, Tenn.—Wants prices on rolling partitions for \$60,000 3-story hotel.

**Roofing.**—William J. Stoltz, 1526 Sedgwick Ave., Highbridge Station, New York.—Wants 135 rolls steel, plain and galvanized roofing, No. 29 gauge; quote net prices per roll f. o. b. destination.

**Roof Ventilators.**—R. F. Schroeter, East 415 Thirteenth Ave., North, St. Petersburg, Fla.—Wants prices on roof ventilators for \$80,000, 2-story store and hotel building.

**Rubber Hot Water Bottles, etc.**—U. S. Veterans' Bureau, Supply Division, Washington, D. C.—Receives bids Mch. 27 for 1000 rubber hot water bottles, 200 rubber ice bags and 144 air bags.

**Rubber Sheetings, etc.**—U. S. Veterans' Bureau, Supply Division, Washington, D. C.—Receives bids March 23 for 600 doz. finger cots, 700 yds. rubber sheeting, etc.

**Rubber Tile Flooring.**—C. H. Henry, 1210 E. 27th St., Tulsa, Okla.—Wants prices on rubber tile flooring for \$18,000 residence.

**Rubber Tile Flooring.**—W. S. Stallings, Gen. Sec., Y. M. C. A., 520 N. 20th St., Birmingham, Ala.—Wants prices on rubber tile flooring.

**Rubber Tubing.**—U. S. Veterans' Bureau, Supply Division, Washington, D. C.—Receives bids March 23 for 800 ft. compound rubber tubing; state time of delivery, etc.

**Rugs.**—Biscayne Lodge No. 124, F. & A. M., P. M. Martens, Sec., P. O. Box 333, Miami, Fla.—Wants prices on rugs for \$150,000 temple.

**Safes (Field).**—Marine Corps, Quartermaster's Dept., Washington, D. C.—Receives bids April 9 to furnish 12 field safes; delivery Philadelphia, Pa. Sch. 483.

**Sand Belt Outfit.**—Lincoln Denton, Marrowbone, Ky.—Wants second-hand Fay & Egan or Defiance 18-in. sand belt outfit, suitable for sanding singletrees.

**Sawmill.**—H. W. Collie, Danville, Va., R. F. D. No. 7—Wants Second-hand sawmill, No. 1 left hand.

**School Supplies and Equipment.**—A. C. Jackson, Purchasing Agent, Lubbock Independent School Dist., Lubbock, Tex.—Receives bids March 23 for 4000 ft. blackboard, 416 No. 2 students' single desks and 52 rears, 298 No. 3 students' single desks and 48 rears, 308 No. 5 students' single desks and 36 rears, 33 four-drawer teachers' sanitary desks, 10 bookkeeping desks and 5 typewriter tables, similar to Sheldon, 6 biology desks for physiology and design similar to No. 315 Sheldon; 2 chemistry tables, 2 sewing tables, 24 Austrian bentwood chairs, 4 domestic science tables, 24 armed chairs for students, 10 doz. primary chairs and 177 window shades.

**Seating.**—Biscayne Bay Lodge No. 124 F. and A. M., P. M. Martens, Sec., P. O. Box 333, Miami, Fla.—Wants prices on opera chairs and other chairs and benches for \$150,000 temple.

**Septic Tanks.**—See Sewers (Storm and Sanitary).

**Sewers.**—City of Martinsburg, W. Va., Wm. R. DeLaney, Recorder—Receives bids April 1 for laying 1325 ft. of 24-in. storm sewers in Cox's Addition.

**Sewers.**—City of Knoxville, Tenn., Fred. A. Auly, Recorder—Receives bids March 31 for sanitary sewers, sewer inlets, manholes and catch basins.

**Sewers.**—E. M. Lowman, Martha Washington Park, Box 1384, Asheville, N. C.—Receives bids June 15 for sewers for 2000-acre subdivision.

**Sewers.**—City of Alice, Tex., receives bids March 23 for \$50,000 sewer system; plans, etc., with Walton, Areson and J. H. Briggs, 418 Gunther Bldg., San Antonio, Engrs.\*

**Sewers.**—See Water Works and Sewers.

**Sewer System.**—City of Baton Rouge, La., receives bids March 24 for sanitary sewer system in McCall and Lake Hills subdivision; vitrified pipe, manholes, vitrified cast pipe house connections, cast iron force main; J. W. Billingsley, Consit. Engr.

**Sewers.**—See Water and Sewers.

**Shovels (Steam).**—Duo Sand & Rock Co.,

Fourth and Poinsettia St., West Palm Beach, Fla.—Wants to purchase or rent rebuilt steam shovels.

**Sprinklers.**—Better Home Construction Co., Room 28, Investment Bldg., Winter Haven, Fla.—Wants prices on sprinklers.

**Staple Binder.**—See Job Printing Plant Equipment.

**Steel Barges.**—U. S. Engineer Office, 428 Customhouse, St. Louis, Mo.—Receives bids Mch. 31 for 20 small steel barges.

**Steel Buildings.**—Standard Power Equipment Co., Birmingham, Ala.—Wants one steel building, 20x40x18 ft. to eaves, with several openings for windows (for machine shop), built to carry necessary shafting transmission power; also two 30x120x20 ft. to eaves; would consider open buildings with steel roof only, also larger or smaller buildings.

**Steel Cable.**—R. P. Johnson (Mechy. Dealer), Wytheville, Va.—Wants 2500 ft. of  $\frac{1}{2}$ -in. plough steel, very flexible cable; good second-hand condition.

**Steel Casement Window.**—Florida Nu-Tex Brick & Tile Co., 109 Water St., Tampa, Fla.—Wants prices on new steel cast casement window; correspond with manufacturers.

**Steel Sash and Trim.**—T. W. Axley, Chmn., Cherokee County Board of Commrs., Murphy, N. C.—Wants prices on steel sash and trim for \$250,000 to \$300,000 courthouse; general bids opened April 15.

**Steel Sash and Trim.**—Smith & Senter, 401-05 Commerce Bldg., Okmulgee, Okla.—Wants prices on steel sash and trim for \$400,000 office building; general bids opened March 25.

**Steel Sash and Trim.**—H. B. Posey, Cashr., Bank of West Asheville, West Asheville (Station Asheville), N. C.—Wants prices on steel sash and trim for \$25,000 to \$30,000 bank and office building.

**Steel Sash and Trim.**—Rev. K. G. Manz, 603 E. 16th St., Sec. Board of Control Texas Lutheran College, Austin, Texas.—Wants prices on steel sash and trim for \$78,000 dormitory and classroom building.

**Steel Sash and Trim.**—W. N. Howard, Morehead Bluffs, Inc., Elks' Temple, New Bern, N. C.—Wants prices on steel sash and trim for \$125,000 hotel.

**Steel Sash and Trim.**—Rev. Harvey L. Humphrey, 406 Y. M. C. A. Bldg., Springfield, Mo.—Wants prices on steel sash and trim for \$55,000 church and Sunday school.

**Steel Sash and Trim.**—Shappell & Weller, Archt., Box 1658, New Smyrna, Fla.—Wants prices on steel sash and trim for \$20,000 garage.

**Steel Sash and Trim.**—Etowah Masonic Club, Inc., D. C. Springfield, Gadsden, Ala.—Wants prices on steel sash and trim.

**Steel Sash and Trim.**—Michael J. Croghan, Propr. Hotel Frederick, Frederick, Md.—Wants prices on steel sash and trim for hotel addition.

**Steel Tank and Tower.**—See Water Works and Sewers.

**Steel Tubing.**—The Alexander Milburn Co., 1416 W. Baltimore St., Baltimore, Md.—Wants prices on stainless and rustless steel tubing of following dimensions: 7/16 in. O. D.,  $\frac{3}{8}$ -in. O. D., 5/16-in. O. D. for use in blow pipes; correspond with manufacturers.

**Steel Windows.**—New Electric Ice Co. of Lake Worth, Dixie Highway and 28th St., Lake Worth, Fla.

**Stone Pulverizers.**—The Highway Construction Co., I. Horvitz, Sec., 1215 Guarantee Title Bld., Cleveland, O.—Wants prices on stone pulverizers for sheet asphalt plant at Miami, Fla.

**Street.**—Sylva, N. C. See Construction News—Roads, Streets, Paving.

**Street.**—Rome, Ga. See Construction News—Roads, Streets, Paving.

**Street.**—Biloxi, Miss. See Construction News—Roads, Streets, Paving.

**Street.**—Clarksburg, W. Va. See Construction News—Roads, Streets, Paving.

**Street.**—St. Louis, Mo. See Construction News—Roads, Streets, Paving.

**Stucco Work.**—F. W. Green, 907 Orange Ave., Eustis, Fla.—Wants sub-contract bids on stucco work on \$20,000, 2-story apartment house.

**Surgical Instrument.**—U. S. Veterans Bureau, Supply Division, Washington, D. C.—Receives bids Mch. 27 for surgical instruments.

**Tables.**—See School Supplies and Equipment.

**Tank (Water).**—Washington Suburban Sanitary Coman. Evans Bldg., Washington, D. C.—Receives bids March 26 for furnish-

ing materials and erecting elevated steel tank; capacity 150,000 gals.; Robert B. Morse, Ch. Engr., Hyattville, Md.

**Tank (Oil Storage).**—A. C. Tuxbury Lumber Co., Box 843, Charleston, S. C.—Wants one 10,000-gal. capacity tank for fuel oil storage; give location, description and price.

**Telephone System Equipment.**—Citizens Mutual Telephone Co., R. L. Ombs, Pres., Ridge, W. Va.—Wants data and prices on telephone system equipment.

**Terra Cotta Trim.**—Better Home Construction Co., Room 28, Investment Bldg., Winter Haven, Fla.—Wants prices on terra cotta trim.

**Terra Cotta Trim.**—Phillips Building Co., 609 Victor Bldg., Kansas City, Mo.—Wants prices on terra cotta trim for \$100,000 4-story apartment house.

**Terra Cotta Trim.**—H. B. Posey, Cashr., Bank of West Asheville, West Asheville (Station Asheville), N. C.—Wants prices on terra cotta trim for \$25,000 to \$30,000 bank and office building; general bids opened March 22.

**Terra Cotta Trim.**—Smith & Senter, 401-05 Commerce Bldg., Okmulgee, Okla.—Wants prices on terra cotta trim for \$400,000 office building; general bids opened March 25.

**Terra Cotta Trim.**—T. W. Axley, Chmn., Cherokee County Board of Commrs., Murphy, N. C.—Wants prices on terra cotta trim for \$250,000 to \$300,000 courthouse; general bids opened April 15.

**Terra Cotta Trim.**—Arthur H. Wagener, 236 W. Flagler St., Room 209-11, Miami, Fla.—Wants prices on terra cotta trim for erection of hotels, Fort Lauderdale.

**Terra Cotta Trim.**—Rev. Harvey L. Humphrey, 406 Y. M. C. A. Bldg., Springfield, Mo.—Wants prices on terra cotta trim for \$55,000 church and Sunday school.

**Terra Cotta Trim.**—W. N. Howard, Morehead Bluffs, Inc., Elks' Temple, New Bern, N. C.—Wants prices on terra cotta trim for \$125,000 hotel.

**Terra Cotta Trim.**—Shappell & Weller, Archt., Box 1658, New Smyrna, Fla.—Wants prices on terra cotta trim for \$20,000 garage.

**Terrazzo Flooring.**—Michael J. Croghan, Propr. of Hotel Frederick, Frederick, Md.—Wants prices on terrazzo flooring for addition.

**Title.**—J. B. Brown, E. Main St., McMinnville, Tenn.—Wants prices on interior tile and tile flooring for \$60,000, 3-story hotel.

**Title.**—Arthur H. Wagener, 236 W. Flagler St., Room 209-11, Miami, Fla.—Wants prices on hollow, interior and floor tile for erection of hotels, Fort Lauderdale.

**Title.**—Better Home Construction Co., Room 28, Investment Bldg., Winter Haven, Fla.—Wants prices on hollow, interior and floor tile.

**Title (Hollow and Interior).**—Etowah Masonic Club, Inc., D. C. Springfield, Pres., Gadsden, Ala.—Wants prices on hollow and interior tile.

**Title.**—R. R. Park, Mid-Continent Bldg., Tulsa, Okla.—Wants prices on hollow, interior and floor tile for \$130,000, 3½-story hotel.

**Title.**—Phillips Building Co., 609 Victor Bldg., Kansas City, Mo.—Wants prices on hollow and floor tile for \$100,000 4-story apartment house.

**Title (Hollow and Interior).**—T. W. Axley, Chmn., Cherokee County Board of Commrs., Murphy, N. C.—Wants prices on hollow and interior tile for courthouse; general bids opened April 15.

**Title (Hollow and Interior).**—Smith & Senter, 401-05 Commerce Bldg., Okmulgee, Okla.—Wants prices on hollow and interior tile for \$400,000 office building; general bids opened March 25.

**Ventilators.**—W. N. Howard, Morehead Bluffs, Inc., Elks' Temple, New Bern, N. C.—Wants prices on ventilators for \$125,000 hotel.

**Ventilators.**—Better Home Construction Co., Room 28, Investment Bldg., Winter Haven, Fla.—Wants prices on ventilators.

**Ventilators.**—Jos. S. Shaw, Georgia Savings Bank Bldg., Atlanta, Ga.—Wants prices on ventilators for \$600,000 office building, Daytona Beach, Fla.

**Ventilators.**—Shappell & Weller, Archt., Box 1658, New Smyrna, Fla.—Wants prices on ventilators for \$20,000 garage.

**Ventilators.**—Rev. K. G. Manz, 603 E. 16th St., Sec. Board of Control Texas Lutheran College, Austin, Texas.—Wants prices on ventilators for \$78,000 dormitory and classroom building.

**Ventilators.**—Michael J. Croghan, Propr. of Hotel Frederick, Frederick, Md.—Wants prices on ventilators for addition.

**Ventilators.**—A. Feibelman, Main St., Eureka, Ark.—Wants prices on ventilators for \$30,000 store and hotel building.

**Ventilators.**—T. W. Axley, Chmn., Cherokee County Board of Commrs., Murphy, N. C.—Wants prices on ventilators for \$250,000 to \$300,000 courthouse; general bids opened April 15.

**Ventilators.**—H. B. Posey, Cashr., Bank of West Asheville, West Asheville (Station Asheville), N. C.—Wants prices on ventilators for \$25,000 to \$30,000 bank and office building; general bids opened March 22.

**Ventilators.**—Smith & Senter, 401-05 Commerce Bldg., Okmulgee, Okla.—Wants prices on ventilators for \$400,000 office building; general bids opened March 25.

**Ventilators.**—T. W. Axley, Chmn., Cherokee County Board of Commrs., Murphy, N. C.—Wants prices on ventilators for \$250,000 to \$300,000 office building; general bids opened March 25.

to \$300,000 courthouse; general bids opened April 15.

**Washers.**—See Dry Cleaning Plant Equipment.

**Waste Cotton and Burlap.**—Marine Corps, Quartermaster's Dept., Washington, D. C.—Receives bids April 7 to furnish 33,000 lbs. waste cotton and 12,000 yds. burlap; delivery Philadelphia, Pa. Sch. 471.

**Water.**—E. M. Lowman, Martha Washington Hotel, Box 1384, Asheville, N. C.—Receives bids June 15 for water works for 200-acre subdivision.

**Water and Sewers.**—City of Groveton, Tex., R. R. Cobb, Mayor—Receives bids March 16 for water and sewer system; cost \$46,000; F. J. Von Zuben, Cons't. and Supervising Engrs., 611 Dan Waggoner Bldg., Fort Worth.

**Water Works.**—City of Belmont, N. C. C. W. Kale, Mayor—Receives bids March 20 for furnishing materials, tools and equipment for construction of water-works improvements: 10,500 ft. of 8-in. cast iron pipe, 10,000 lbs. cast iron specials, 7 fire hydrants, 13 gate valves; The Carolina Engineering Co., Engrs., 917 Johnston Bldg., Charlotte; G. H. Bishop, Cons't. Engrs.

**Water Works.**—City of El Paso, Tex., J. E. Anderson, Clk.—Receives bids March 25 for construction of 2,300,000-gal. reinforced concrete reservoir in Kern Place Addition.

**Water Works.**—City of Kissimmee, Fla., Pat Johnston, Mayor—Receives bids April 2 for water-works extensions: 12,500 ft. 4-in. Class B pipe, 41,100 ft. of 6-in., 11,270 ft. of 8-in., 440 ft. of 10-in., 650 ft. of 12-in., 640 ft. of 14-in. Class C pipe, 27 tons fittings, 25 4-in., 54 6-in., 10 8-in., 2 10-in. valves, one 12-in. valve, seven 4-in. hydrants, 74 6-in. hydrants, 92 valve boxes; Ramsey-Herndon & Co., Engrs., State Bank Bldg., Orlando.

**Water Works.**—City of Abilene, Tex., M. L. Sellers, Sec.—Receives bids March 19 for water purification plant; O. K. Hobbs, Engr.

**Water Works.**—Town of Mars Hill, N. C.—Wants individual or company to take over and improve its watershed, lines, etc. Address R. S. Gibbs.

**Water Works.**—City of Tampa, Fla., Perry G. Wall, Mayor-Commr.—Receives bids March 30 for constructing 20-in. pipe line across Hillsborough River; Nicholas S. Hill, Jr., Cons't. Engr., 112 E. 19th St., New York City.

**Water Works and Sewers.**—City of Kissimmee, Fla., Pat Johnston, Mayor—Receives bids April 2 for sanitary sewers, storm sewers and water-works extension: Sanitary sewers, 67,000 ft. 8-in., 36,000 ft. of 10-in., 7000 ft. of 12-in., 2000 ft. of 15-in. sewers, 97 flush tanks, 174 manholes, 3 septic tanks, 2 pump pits, 2000 cu. yds. excavation, 120 cu. yds. Class A concrete, 316 cu. yds. Class B concrete, 38,000 lbs. reinforcing steel, 2 sewerage pumps; duplicate installation; storm sewers, 10,000 ft. of 15-in., 7900 ft. of 18-in., 800 ft. of 21-in., 1700 ft. of 24-in. pipe, 5400 ft. of 24-in. laterals, 72 manholes, 239 catch basins, 300 cu. yds. of Class A concrete, 314 cu. yds. Class B concrete, 40,000 lbs. reinforcing steel; Ramsey-Herndon & Co., Engrs., State Bank Bldg., Orlando.

**Window Glass.**—Marine Corps, Quartermaster's Dept., Washington, D. C.—Receives bids March 22 to furnish 800 window glass lights; delivery Quantico, Va. Sch. 464.

**Window Shades.**—Marine Corps, Quartermaster's Dept., Washington, D. C.—Receives bids March 26 to furnish 150 window shades; delivery Quantico, Va. Sch. 481.

**Wire Glass.**—Better Home Construction Co., Room 28, Investment Bldg., Winter Haven, Fla.—Wants prices on wire glass.

**Wire Glass.**—J. B. Brown, E. Main St., McMinnville, Tenn.—Wants prices on wire glass for \$60,000 3-story hotel.

**Wire Glass.**—A. Feibelman, Main St. Eudora, Ark.—Wants prices on wire glass for \$30,000 store and hotel building.

**Wire Glass.**—H. B. Posey, Cashr., Bank of West Asheville, West Asheville (Station Asheville), N. C.—Wants prices on wire glass for \$25,000 to \$30,000 bank and office building.

**Wire Glass.**—T. W. Axley, Chmn., Cherokee County Board of Comr., Murphy, N. C.—Wants prices on wire glass for \$250,000 to \$300,000 courthouse; general bids Apr. 15.

**Wire Glass.**—Smith & Senter, 401-05 Commerce Bldg., Okmulgee, Okla.—Wants prices on wire glass for \$400,000 office building; general bids opened March 25.

In writing to parties mentioned in this department it will be of advantage to all concerned if the Manufacturers Record is mentioned.

**Wire Glass.**—Etowah Masonic Club, Inc., D. C. Springfield, Gadsden, Ala.—Wants prices on wire glass.

**Wire Glass.**—Rev. Harvey L. Humphrey, 406 Y. M. C. A. Bldg., Springfield, Mo.—Wants prices on wire glass for \$55,000 church and Sunday school.

**Wire Glass.**—E. E. James, Box 46, Winston-Salem, N. C.—Wants prices on wire glass for \$12,000 residence.

**Wire Glass.**—Shappell & Weller, Archts., Box 1658, New Smyrna, Fla.—Wants prices on wire glass for \$20,000 garage.

**Wire Glass.**—Michael J. Croghan, Prop'r. Hotel Frederick, Frederick, Md.—Wants prices on wire glass for addition.

**Wire Rope.**—Contractor, Room 330, Arcade Bldg., 1947 Broadway, New York City—Wants prices on two pieces 2 1/4 or 2 1/2 steel wire rope; state lengths, second-hand.

**Woodworking Machine.**—Arthur H. Wagner, 236 W. Flagler St., Room 209-11, Miami, Fla.—Wants prices on woodworking machine for erection of hotels, Fort Lauderdale.

**Woodworking Tools.**—J. S. Davis, R. F. D. No. 5, Danville, Va.—Wants one 2-saw ripping machine or edger, 8-in. moulder; second-hand equipment.

**Y. M. C. A. Furnishings, etc.**—W. S. Stalling, Gen. Sec., Y. M. C. A., 520 N. 20th St., Birmingham, Ala.—Wants prices on equipment, etc., for boys' annex.

## INDUSTRIAL NEWS OF INTEREST

Items of news about industrial, railroad or financial interests, building operations, construction work, municipal improvements, or the sale of machinery or the letting of contracts in the South or Southwest, are invited from our readers whether they are advertisers, or subscribers, or not. We invite information of this character from readers in the North and West about their Southern business operations, as well as from Southern readers. News of value will be published just as readily when from non-advertisers as from advertisers.

### York Round Door Burglar-Proof Chests.

The York Safe & Lock Company, York, Pa., have received many letters appreciative of their round door cash chests, certifying to unsuccessful attempts made by burglars to break them open. A letter from the company says that there have been approximately one hundred burglarious attempts upon these chests, not one of which proved successful. One of the letters, from the Small-Strausberg Circuit, Inc., operating theaters on Long Island, New York, says: "They blew open the outer fireproof door with nitro glycerine. Their attempt to blow open the round door chest inside the safe, which contained about \$5000 in cash, was unsuccessful. Your statement regarding the strength of this No. 490 round door chest has been verified to our entire satisfaction." The Ogden Amusement Corporation, New York, N. Y., gives like testimony. Chests used at many filling stations of a world-wide-known manufacturer and distributor of gasoline also fully resisted attempts to open them, including stations in Hagerstown, Md.; St. Louis and Kansas City, Mo., and sundry other places. These chests are supplied in fireproof safes or else they can be built into solid concrete.

### Goldsmith New York Office.

The Goldsmith Metal Lath Co. of Cincinnati, Ohio, manufacturers of metal tile for concrete joist construction, have opened an office at 342 Madison avenue, New York city, to supply metal tile and lath in concrete building construction. Inquiries for material in the District of Columbia, Maryland, Delaware, Eastern Pennsylvania and New Jersey will be taken care of there. This company recently furnished the material for the American Furniture Mart Building in Chicago, and they are now furnishing their system for the Barnett National Bank at Jacksonville, Fla., and for many other jobs in the central West and West. Barnes Compton, formerly connected with the Baltimore sales office of the Bethlehem Steel Co., covering Southern territory, will have charge of the New York office.

### New District Sales Managers.

The Trumbull Steel Company of Warren, Ohio, on March 1 appointed A. R. Johnson to be district sales manager of their New York office in the Grand Central Terminal Building, New York, N. Y., and they also appointed L. J. Simmonds to be district sales manager of their Chicago, Ill., office, in the Continental and Commercial National Bank Building in that city, to succeed Mr. Johnson, who has been in that territory for ten years. Willard Foster will assist Mr. Simmonds.

### Thew Shovels on Big Job in New York.

Historic Madison Square Garden, in New York city, is to be replaced by a new 30-story building for the New York Life Insurance Company, and while the razing of the building was finished about September 1, the real work began when the excavators cut into the solid rock on which the building stood. The Geo. J. Atwell Company, contractors of that city, are making the rock fly with surprising speed, having four Thew steam shovels and eight big derricks on the job with booms ranging from 72 to 80 feet long. The excavation will cover the entire block between Twenty-sixth and Twenty-seventh streets, next to Fourth avenue, and will be 73 feet below street level. About 150,000 cubic yards of material will be removed and 125,000 yards of it will be rock. Thew steam shovels, Ingersoll-Rand compressors and Mack trucks are some of the larger equipment on which Mr. Atwell has standardized. It is the same with his men. His master mechanic, George Kelly, and his superintendent, Joe Walsh, have been with him many years.

### H. T. Kendall Goes to Central Coal & Coke Company.

Harry T. Kendall, recently resigned as general sales agent of the Kirby Lumber Co., Houston, Tex., after 15 years' service, to become general sales agent of the Central Coal & Coke Co. of Kansas City, Mo. He is succeeded at Houston by Ray Weiss, who has been manager of the New York office of the Kirby organization. Besides operating coal mines, the Central Coal & Coke Co. is a large manufacturer of lumber, with an extensive business throughout the country. It has two mills working on yellow pine in Louisiana and Texas, respectively; also a large plant on the Pacific Coast working on fir. J. H. Kirby of Houston is also largely interested in the Central organization as well as in the Kirby Lumber Co.

### Machinery Plant to Be Sold.

According to announcement elsewhere in these columns the Detrick & Harvey machine plant at Baltimore, Md., is to be sold at auction on a date which will be named later. The sale, which will take place on the premises, will include hundreds of machine tools, a number of motors, several hundred tons of machine tool and cold rolled steel, several hundred tons of castings, besides small tools, supplies, belting, shafting, etc. They will be sold separately. Further particulars will be found in the advertisement. Samuel T. Freeman & Co. of Philadelphia and Boston and M. Fox Sons Company of Baltimore are the auctioneers.

**Office Opened.**

C. H. Brooks, contractor for building construction, has opened an office at 333 Woodward Building, Washington, D. C.

**Wisconsin Representative.**

The Heltzel Steel Form & Iron Co. of Warren, Ohio, have appointed Chadwick Bros. Co., Twenty-fifth and Clybourn streets, Milwaukee, Wis., as their representative on steel sidewalk forms, curb forms, curb and gutter forms, etc., in the state of Wisconsin.

**P. A. Koehring Elected.**

P. A. Koehring, general manager and secretary-treasurer of the Koehring Company, manufacturers of pavers, mixers, cranes, shovels, etc., Milwaukee, Wis., was recently unanimously elected president of the Milwaukee Association of Commerce.

**Col. Causey With M. E. White Co.**

Col. W. B. Causey, until lately City Manager of Norfolk, Va., has become associated with the M. E. White Company, the White Construction Company and affiliated companies, as vice-president, with offices at 1735 Fullerton avenue, Chicago, Ill. Colonel Causey, who is a civil engineer by profession, was for four years before his going to Norfolk technical adviser to the Austrian Republic. Prior to his connection in Austria he was abroad with the United States Engineers in war service and thereafter as president of the Allied Railway Mission. Before the war he was identified with several prominent railroads in this country.

**R. C. Newhouse Now With Cowham Engineering Co.**

R. C. Newhouse, formerly chief engineer of the crushing and cement machinery department of the Allis-Chalmers Manufacturing Co., has become associated with the Cowham Engineering Co. of Chicago, Ill., as vice-president and manager of the engineering department. He will be in direct control of the many plants now under the direction of the Cowham organization, which has recently announced the erection of a plant at Tampa for the Florida Portland Cement Co., and another plant at LaSalle, Ill., for the Central States Portland Cement Company.

**Purchase of Large Copper Smelters.**

The Hyman-Michaels Company of Chicago have purchased through the United Commercial Company of San Francisco one of the largest copper smelters in the world. The transaction covers the Mammoth, Keystone and Kennett properties of the United States Smelting, Refining & Mining Company of Boston, these properties being located at Kennett, Cal. The purchase also covers personal properties, including considerable trackage and railroad equipment. The Hyman-Michaels Company will probably operate part of this plant for a while and are considering offers from other large smelting and refining companies for its sale in full or in part. Joseph Michaels, president, has gone West in connection with matters involving operation.

**Technical Representatives.**

R. M. Thomas and Donald Charlton have been appointed technical representatives of the Reading Iron Company of Reading, Pa. The technical department which they head is a newly created service division in the sales department. Virtually all of their time will be given over to railroad work and they will be required to give technical and practical counsel to any railroad which has pipe, engine-bolt, stay-bolt and boiler-tube problems. Mr. Thomas, who will represent the company in the West, will have his headquarters at 449 Conway Building, Chicago, Ill., while Mr. Charlton, whose work will be in the East, will be located at the general offices at Reading, Pa.

**Climax Appoints New Representatives.**

The Climax Engineering Company, Clinton, Iowa, have appointed the Briggs-Weaver Company, Dallas, Texas, as district representatives for the sale of Climax "Trustworthy" Engines for industrial purposes. The Clark Machine Company, Wichita Falls, Texas, have also been appointed representatives for these engines for oil drilling and will operate exclusively in the oil field. The Petroleum Electric Company, Tulsa, Okla., are a third organization that have taken on the sale of the engines in the Southwest. P. J. Dasey, Wells Hotel, Tulsa, Okla., is in charge of this sales territory.

**Contract for \$3,000,000 Sarasota Ritz-Carlton.**

The Hegeman-Harris Co., Inc., of New York wires the MANUFACTURERS RECORD that it has been awarded general contract for the erection of the proposed Ritz-Carlton Hotel at Sarasota, Fla. This building will be erected on a site donated by John Ringling on Longboat Key, and Mr. Ringling will be largely interested in the organization to erect it, the cost being estimated at approximately \$3,000,000. It will be of Italian Renaissance architecture and will contain 250 rooms with bath, all of outside exposure, it is said. Ralph C. Caples is chairman of a campaign committee to sell \$400,000 worth of stock in the enterprise to Sarasota people. Warren & Wetmore and Arthur L. Bobbs, both of New York, are architects and structural engineer, respectively, for the building.

**Contract for \$2,000,000 Medical Building.**

Fort Worth, Texas.—General contract has been awarded to P. O'B. Montgomery of Dallas for the \$2,000,000 medical arts building to be erected here for the Fort Worth Properties Corporation, of which Jesse H. Jones of Houston is president. The structure will be 209 by 108 feet, 16 stories and basement, of brick, stone and reinforced concrete construction. Sanguinet, Staats & Hedrick of Fort Worth, Wyatt C. Hedrick, successor, are the architects.

**Eastern Rolling Mill Officers.**

At a recent meeting of the directors of the Eastern Rolling Mill Company, Baltimore, Md., L. J. Jones, secretary and formerly assistant treasurer, was elected vice-president, and T. H. Stevenson was elected assistant treasurer.

**Now With E. W. Bliss Company.**

James C. Hines, for a number of years with the selling organization of the McDonald Machine Company of Chicago, Ill., is now connected with the E. W. Bliss Company of Brooklyn, N. Y., and will represent them in the sales division of automatic can-making machinery.

**Direct Representative Appointed.**

R. D. Hudson has been appointed Texas sales representative of R. D. Wood & Co., engineers, iron founders and machinists of Philadelphia, Pa., with his offices in Suite 208 at 834 N. Marsilas avenue, Dallas, Tex. He will cover the Texas sales territory for the firm as their direct representative.

**Sales Agents Appointed.**

Joseph J. Monahan and the Monahan Pump Equipment Company, 200 Devonshire street, Boston, Mass., on March 1 assumed charge as eastern New England sales agents for the entire line of pumps manufactured by the Chicago Pump Company of Chicago, Ill., which embraces general supply, boiler feed, condensation, vacuum, sewage disposal and bilge pumps. For the last seven years Mr. Monahan has been actively associated in the sale of these pumps in New England.

**Fast Work Installing New Culvert.**

About the middle of February the Newport Culvert Co., Newport, Ky., received an urgent call by long distance telephone from the Kentucky State Highway Department to hurry a 24-inch "Goli" genuine open-hearth pure iron copper alloy culvert, 30 feet long, in sections of 16 and 14 feet, to the Dixie Highway, near Falmouth, Ky. The culvert in use there had been crushed in as the result of freezing, thawing and shifting of adjacent earth. In three hours the new culvert was on its way and was soon in place. By setting it in two sections only half of the roadway was blocked at a time.

**President Proclaims American Forest Week.**

President Coolidge has designated April 18 to April 24, inclusive, as American Forest Week. In his proclamation the President emphasizes the evils resulting from impoverished forests and idle lands, and lays stress upon the increased attention being given to scientific forestry in industrial practice and land usage. Secretary Jardine of the Department of Agriculture, in making public the President's proclamation, points out that the observance of the week has reached nation-wide proportions and that the campaign is directed by the American Forest Week Committee, a federation of nearly 100 organizations, of which Frank O. Lowden of Illinois is chairman. The Department is represented on this committee by the Forest Service, Biological Survey and the Bureau of Plant Industry. Local committees are being organized in each of the 48 states and Alaska.

The Canadian Government has also proclaimed the weeks of April 12-24, inclusive, as a period when the utmost stress shall be laid upon problems of forest conservation and renewal, thus unifying the efforts of Canada and the United States.

The West Virginia Bankers' Association, W. C. Given, president, Bluefield, will hold its annual convention in Huntington on June 23 and 24.

## THE LARGEST-SELLING MASON'S CEMENT IN THE WORLD



**Just add sand and water!**

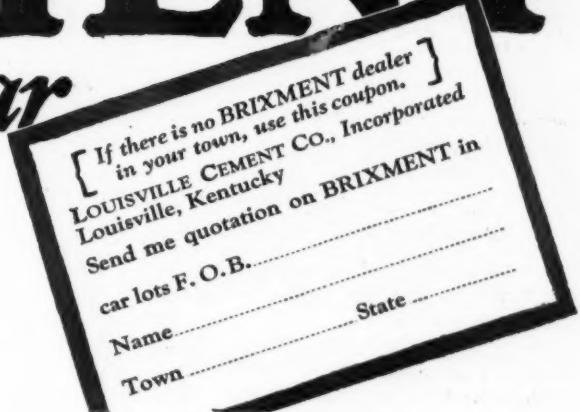
**B**RIXMENT, mixed in the proper proportions with sand and water, is all that is necessary to make the smoothest, easiest-spreading mortar that can be produced. No lime, no scaling or popping of joints, no fading of mortar colors, no wasteful mortar beds. Use it as soon as mixed; mix as soon as you're ready. Makes a permanent bond for brick, tile and stone masonry that grows stronger with age. NOTE: For stuccoing, BRIXMENT is being used more successfully than portland cement and lime. Sold through dealers. Further information on request.

LOUISVILLE CEMENT CO., Incorporated, Louisville, Ky.

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# BRIXMENT

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## FINANCIAL NEWS

## Bond Issues Proposed

Ark., Malvern—School—Board of Directors, Malvern Special School Dist., Hot Spring County; A. J. Roland, Pres., receives bids March 25 for \$150,000 6% bonds.

Fla., Boca Raton—Municipal Improvement—City contemplates \$500,000 bond issue: \$275,000 street; \$100,000 city hall; \$25,000 water works; \$75,000 purchasing, equipping and maintaining fire department. Address City Clerk.

Fla., Clearwater—Municipal Improvement—City Comms., Charles F. Mason, Mgr., plan voting in about 60 days on \$761,600 bonds: \$200,000, sewerage; \$200,000, incinerator; \$235,000, water extensions; \$75,000, gas extensions; \$60,000, municipal building; \$52,100, improve causeway; \$22,000, fire-alarm system; \$50,000, island park improvement; \$35,000, bridges; \$10,000, Bayview Park.

Fla., DeLand—School—Volusia County School Dist. No. 12, voted \$60,000 5 1/2% bonds; Geo. W. Marks, County Supt.\*

Fla., Fort Lauderdale—Municipal Improvement—City, B. J. Horne, Mgr., voted \$3,340,000 bonds, for streets, sewers, water works, harbor project; will sell; John W. Tidball, Mayor.\*

Fla., Fort Myers—School—Lee County Board of Education will call election Apr. 13 on \$983,000 bonds for 4 districts.

Fla., Fort Pierce—City Comms., Charles C. Burry, Clk.-Auditor, receives bids March 24 for \$1,098,000 \$1000 denom. bonds.

Fla., Hialeah—Municipal Improvement—City plans \$500,000 bond issue: \$200,000 paving, curb and sidewalks; \$125,000, parks and playgrounds; \$50,000, city hall, police headquarters, central police station; \$25,000, incinerator and disposal plant; \$100,000, water mains. Address City Clerk.

Fla., Jasper—School—Chmn. Board of Public Instruction receives bids Mar. 26 for \$85,000 6% \$1000 denom. Hamilton County Special School Dist. No. 1 bonds.

Fla., Kissimmee—Osceola County Comms., plan calling election about middle of April on \$2,000,000 bonds.\*

Fla., Lake Helen—Municipal Improvement—City, W. W. Finn, Clk., contemplates bond issue for paving, water works extensions, etc.; J. P. Mace, Mayor.

Fla., Marianna—School—Jackson County School Board, Geo. J. Grace, Supt. Public Instruction, will call election Apr. 13 on \$12,000 bonds.

Fla., Miami Beach—Improvement—City, C. W. Tomlinson, Clk., receives bids Mar. 24 for \$1,524,000 6% bonds.

Fla., Micanopy—Improvement—Town, J. Jas. Jones, Clk., receives bids Apr. 15 for \$115,000 6% bonds.

Fla., Milton—Road, Bridge—Santa Rosa County Comms., T. W. Jones, Clk., receives bids March 19 for \$200,000 6% \$1000 denom. Special Road and Bridge Dist. No. 7 bonds.

Fla., Pensacola—School—Trustees of School Dist. No. 16 contemplate \$800,000 bond issue; Wm. Tyler, County Supt., 1413 E. Stoddard.

Fla., Sanford—Municipal Improvement—City, Forrest Lake, Mayor, will call election April 19 on \$2,500,000 bonds: gas plant, sewerage system, ship basin, bulkhead, water works, swimming pool.\*

Fla., Tavares—School—Tavares Board of Public Instruction, D. H. Moore, County Supt., received bids Apr. 3 for \$30,000 Lake Lady School Dist. bonds and \$30,000 Altoona School Dist. bonds.

Fla., Tavares—Road—Lake County Comms., T. C. Smyth, Clk., receive bids Apr. 19 for \$75,000 6% East Lake County Special Road and Bridge Dist. bonds.

Fla., Wildwood—Municipal Improvement—City, S. R. Phillips, Clk., receives bids March 30 for \$150,000 6% bonds.

Ga., Baxley—Road—Appling County voted \$200,000 bonds. Address County Comms.\*

Ga., Fairburn—School—Campbell County Fairburn School Dist. voted \$45,000 bonds. Address Pres. Board of Education.\*

Ga., McRae—Telfair County, M. A. Cameron, Clk. of Court, voted \$140,000 road and \$185,000 bridge bonds.\*

Ga., Perry—Road—Bridge—Houston County voted \$200,000 bonds. Address Comms. of Roads and Revenues.\*

Ky., Lawrenceburg—Road—Anderson Coun-

ty Comms. will call election April 24 on \$250,000 bonds.

La., Jennings—Road—Jefferson Davis Parish, Roanoke Road Dist. No. 3, defeated \$70,000 bond issue. Address Police Jury.\*

La., Loretteville—Drainage—Comms. Chouique Gravity Drainage Dist. No. 3, Alfred Granger, Sec., receives bids Mar. 22 for \$46,000 5 1/2% \$500 and \$100 denom. bonds.

Miss., Centerville—Electric Lights—Water Works—Board of Aldermen will call election Apr. 3 on \$16,000 bonds. Address The Mayor.

Miss., Greenwood—Courthouse—Jail—Le Flore County Board of Supvrs. will call election March 27 on \$125,000 bonds.

Miss., Gulfport—Seawall—Harrison County, Eustis McManus, Chancery Clk., voted \$1,400,000 bonds.\*

Miss., Hattiesburg—School—Sunrise Community voted \$17,000 bonds. Address Pres. Board of Education.

Miss., Lyman—School—City voted \$45,000 bonds. Address Harrison County Board of Supervs. of Gulfport.

Miss., McComb—Water Works—City plans \$40,000 bond issue. Address City Clerk.

Miss., Osky—Board of Aldermen will call election Apr. 6 on \$10,000 bonds.

Miss., Pascagoula—Road, Bridge—Jackson County Board of Supvrs. will call election Mar. 30 on \$184,000 bonds.

Miss., Pass Christian—City Hall, School, Pier—City voted \$60,000 bonds; Dr. J. A. Spence, Mayor.

Miss., Starkville—Road—Oktibbeha County defeated \$450,000 bond issue. Address Board of Supvrs.\*

Mo., Doniphan—Road—Ripley County, Only Dist. voted \$10,000 bonds. Address County Comms.

Mo., Moberly—City votes Apr. 6 on \$125,000 city hall and \$75,000 sewage disposal plant bonds. Address City Clk.

Mo., Normandy—Improvement—City votes April 6 on \$120,000 bonds. Address City Clerk.

Mo., Webb City—School—Board of Education will call election April 6 on \$30,000 bonds.

N. C., Asheville—Street—City, John H. Cathey, Mayor, contemplates \$500,000 bond issue.

N. C., Gastonia—School—Gaston County Comms., L. E. Rankin, Clk., will call election Apr. 9 on \$110,000 bonds: Mt. Holly Graded School Dist. No. 4, River Bend Township, \$30,000; Dallas Graded School Dist. No. 1, Dallas Township, \$30,000; Belmont Graded School Dist. No. 2, South Point Township, \$50,000.

S. C., Georgetown—Approaches, Ferry Boat—Georgetown County Comms., W. A. Campbell, Clk., may sell \$45,000 bonds during next 2 months.\*

N. C., La Grange—Sewer—City votes March 30 on \$50,000 bonds. Address City Clk.

N. C., Raleigh—School—Raleigh Township School Committee, H. F. Srygley, Supt. of Schools, will call election April 20 on \$1,300,000 bonds.\*

N. C., Williamston—Road and Bridge—Martin County Comms., J. Sam Getsinger, Clk., receives bids March 31 for \$175,000 6% \$1000 denom. bonds.

N. C., Wilmington—Wharfage—City Comms. may call election June 5 on \$100,000 bonds.

N. C., Winston-Salem—Forsyth County Comms., J. M. Lentz, Clk., receives bids Mar. 25 for \$275,000 courthouse and \$250,000 school bonds.\*

Okla., Claremore—Library—Memorial Hall—City will vote on \$25,000 bonds. Address City Clk.

Okla., Clinton—Water Works—City Comms. will call election soon on \$500,000 bonds.

Okla., Tonkawa—Water, Light—City voted \$30,000 bonds. Address City Clerk.

S. C., Dillon—Road—Dillon County Comms. contemplate \$500,000 bond issue.

S. C., Laurens—Road—Laurens County Comms. contemplate \$650,000 bond issue.

S. C., Moncks Corner—Road—Berkeley County contemplates \$24,000 bond issue. Address County Comms.

S. C., Moncks Corner—School—St. Stephen's School Dist. contemplates \$7000 bond issue. Address Pres. Board of Trustees.

Tenn., Blountville—Road—Sullivan County

Comms., John H. Caldwell, County Judge, receive bonds Mar. 27 for \$20,000 5% \$1000 denom. bonds.

Tenn., Chattanooga—Municipal Improvement—City, Mayor Hardy, receives bids Mar. 27 for \$1,085,000 bonds.\*

Tenn., Dyersburg—School and Gymnasium—City voted \$25,000 bonds. Address City Clk.\*

Tenn., Halls—Street—Board of Aldermen receives bids Mar. 18 for \$40,000 bonds.

Tenn., Knoxville—Paving—City, Alexander Harris, Director of Public Works, receives bids March 30 for \$429,000 bond issue.

Tenn., Nashville—Interstate Commerce Comn. authorized Tennessee Central R. R. Co., H. R. Manby, Ch. Engr., Nashville, to issue \$500,000 7% cumulative preferred stock without par value, and \$1,500,000 first-mortgage 6% bonds.

Tenn., Riverview—Municipal Improvement—Hamilton County Election Comn., Chattanooga, will call election Apr. 9 on \$38,000 bonds for sewers, water mains, fire plugs, lighting system, purchase of land.

Tex., Amarillo—School—Amarillo Independent School Dist., Geo. M. Waddill, Sec., voted \$240,000 bonds.\*

Tex., Brownsville—School—City plans \$100,000 bond issue. Address City Clk.

Tex., El Campo—Sewer—City receives bids April 5 for \$60,000 bonds. Address City Clerk.

Tex., Fort Worth—School—Birdville Community School Dist. votes April 3 on \$12,000 bond issue. Address Tarrant County Commissioners.

Tex., Jourdanton—Paving—City voted \$40,000 bonds. Address City Clerk.\*

Tex., Marshall—Municipal Improvement—City Comms. will call election Apr. 17 on \$150,000 bonds: \$75,000 city hall, \$25,000 fire station, \$50,000 water works.\*

Tex., Miles—Paving—Town voted \$30,000 bonds. Address Town Clk.

Tex., Mount Pleasant—School—City voted \$100,000 bonds. Address Pres. Board of Education.

Tex., Mount Pleasant—Water Works—City votes Apr. 3 on \$50,000 bonds. Address City Clerk.

Tex., O'Donnell—School—Town voted \$65,000 bonds; J. A. Rickard, Supt.\*

Tex., San Saba—Sewer—City, D. Chadwick, Sec., voted \$60,000 bonds.\*

Tex., Tahoka—School—City voted \$100,000 bonds. Address Pres. Board of Education.

Tex., Wylie—School—City votes March 27 on \$40,000 bonds. Address Pres. Board of Trustees.

Va., Brookneal—Water Works—Town plans bond issue. Address Town Clerk.

Va., Falls Church—Road—Town, J. F. Harvey, Clk., plans \$80,000 to \$100,000 bond issue.

W. Va., Mannington—Bridge, Retaining Wall—City Comms. R. E. Mockler, Clk., will call election Apr. 28 on \$15,000 bonds.

Va., Martinsville—School—Henry County School Board contemplates \$250,000 bond election.

W. Va., Fairmont—School—Board of Education Fairmont Independent Dist. plans calling election in May on \$900,000 bonds.

W. Va., Moundsville—School—Moundsville Independent School Dist. votes Apr. 6 on \$149,000 bonds.

W. Va., Richwood—School—Board of Education may call election on \$60,000 bonds.

## Bond Issues Sold

Fla., Bartow—Street—City sold \$225,000 6% bonds to Ryan, Sutherland & Co., Toledo, Ohio, at 98.50.

Fla., Fort Myers—Road—Lee County Comms. sold \$60,000 4 1/4% bonds to Minneapolis Loan & Trust Co., Minneapolis, Minn., at premium of \$1550.

Fla., Green Cove Springs—Road—Bridge—Clay County Special Road and Bridge Dist. No. 4 sold \$515,000 6% bonds to J. C. Penny.\*

Fla., Key West—Public Improvement—City sold \$225,000 6% coupon bonds jointly to Walter, Woody & Heimerdinger, and

(Continued on page 130)

WE extend the facilities of our organization to those desiring information or reports on companies with which we are identified.

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New York Boston Philadelphia Milwaukee Minneapolis San Francisco

## FINANCIAL NEWS

(Continued from page 128)

Weil, Roth & Irving Co., both Cincinnati, at discount of \$2250.

Fla., Sanford—Water Works—City sold \$100,000 bonds to Federal Commerce Trust Co., Federal Reserve Bank Bldg., St. Louis, Mo., and W. F. Schaffner & Co., Winston-Salem, N. C., at premium of \$113.

Fla., Sebring—Highlands County Comms., T. M. Jones, Clk., sold \$554,000 bonds to W. L. Slayton & Co. and Provident Savings Bank & Trust Co., Cincinnati, Ohio, at 95.13.

Fla., Stuart—Road—Bridge—Martin County Comms. sold \$1,000,000 bonds to J. R. Durrance & Co., Jacksonville.

Ga., Waynesboro—Road—Burke County Comms. sold 4 1/2% bonds to Hibernia Securities Co., Atlanta, at 99.461.

Ky., Mayfield—Road—Graves Fiscal Court sold \$150,000 bonds to First National Bank, Mayfield, at premium of \$4000.

Ky., Paducah—Municipal Improvement—City, Dr. J. N. Bailey, Mayor, sold \$210,000 4 1/2% street, sewer and bridge bonds to J. B. Hilliard & Son, Louisville, at premium of \$2702.\*

La., Agurs—Water Works—Village sold \$37,500 bonds to Commercial Securities Co., Inc., at par, premium of \$55 and costs.\*

La., Alexandria—Refunding—Rapides Parish Police Jury, B. F. Thompson, Pres., sold \$62,000 refunding bonds to R. E. French & Co., Alexandria.

Miss., Carey—School—Carey Rural Separate School, Sharkey County, sold \$25,000 0% bonds to First National Bank of Vicksburg at premium of \$600.\*

Miss., Ripley—Road—Tippah County Board of Supervs., A. M. Young, Clk., sold \$75,000 bonds to I. B. Tigrett & Co., Jackson, Tenn., at \$2000 premium.\*

N. C., Sanford—Refunding—Lee County Comms., T. A. Riddle, Chmn., sold \$60,000 4 1/2% bonds to Minnesota Loan & Trust Co., Minneapolis, Minn., at \$61,550.\*

Tenn., Athens—Road—McMinn County Court, W. A. Latham, Chmn., sold \$60,000 4 1/2% bonds to A. T. Bell, Toledo, Ohio, at premium of \$816.\*

Tenn., Knoxville—Revenue Anticipation—City, Louis Brownlow, Mgr., sold \$500,000 4 1/2% bonds to Bankers Trust Co. of New York at premium of \$77.\*

Tenn., Maryville—Road—Blount County Comms. sold \$150,000 bonds to Caldwell & Co., Nashville, at premium of \$6910.\*

Tex., Alice—Sewer—City, J. Gobert, Sec., sold \$50,000 bonds to N. W. Elkins & Co., Little Rock, Ark., at premium of about \$1700.\*

Tex., Beaumont—Water Works—City, Ollie J. Floyd, Mgr., sold \$48,000 bonds to H. C. Burt & Co., Houston, at premium of \$735 and accrued interest.

Tex., Texarkana—Refund—City sold \$250,000 4 1/2% bonds to H. C. Burt Co., Austin, at \$96,084 and \$9779 commission.

W. Va., Huntington—School—Board of Education Huntington Independent Dist., Cabell County, W. H. Lyons, Auditor, sold \$272,000 4 1/2% bonds to Otis & Co., Cleveland, Ohio, at premium of \$109.\*

### Building and Loan Associations

Ark., Little Rock—Guaranty Building & Loan Assn., capital \$50,000, incorporated; H. L. Remmell, 1622 Center St.

Fla., Sanford—Seminole County Building & Loan Assn., capital \$100,000, incorporated; Frank I. Woodruff, Pres.

Ga., Macon—Macon Building & Loan Assn., capital \$15,000, chartered; Horace Russell, Georgia Casualty Bldg.

Md., Baltimore—Democratic Building & Loan Assn., Inc., 1312 E. Baltimore St., capital \$50,000, incorporated; Tobias Miller.

Mo., St. Louis—Lafayette Mutual Building & Loan Assn., George Oliver Carpenter, Jr., Pres., Railway Exchange Bldg., increased capital to \$2,500,000.

Okl., Atoka—Atoka Building & Loan Assn. increased capital, \$100,000 to \$200,000.

Okl., Clinton—Clinton Building & Loan Assn. increased capital, \$750,000 to \$1,000,000.

Okl., Duncan—Duncan Building & Loan Assn. increased capital, \$700,000 to \$900,000.

Tenn., Chattanooga—Peoples' Building &

Loan Assn., L. C. Orr, 910 Forest Ave., plans increasing capital, \$200,000 to \$400,000.

Tex., Eastland—Eastland Building & Loan Assn., capital \$1,000,000, organized; J. F. Owen, Pres.; Theodore Ferguson, Sec.\*

Va., Richmond—Citizens' Building & Loan Assn. No. 18, Inc., capital \$50,000, chartered; Frank D. Epps, Pres., 2803 Grove Ave.

### New Financial Corporations

Ala., Albany—Citizens' Industrial Bank, capital \$50,000, organized; R. E. Chandler, Pres.; H. R. Speaks, Sec.-Treas.

Ala., Fort Payne—Fort Payne Natl. Bank, capital \$50,000, organized; C. W. Thomas, Correspondent.

Ark., Little Rock—E. M. Schnallman of Laven & Co., 70 W. Monroe St., Chicago, Ill., interested in organizing negro bank.

Ark., Ozark—First Natl. Bank of Ozark, capital \$50,000, organized; J. S. Turner, Correspondent.

Fla., Boca Raton—Bank of Boca Raton, Brenk Bldg., capital \$25,000, chartered; B. B. Raulerson, Pres.

Fla., Coral Gables—Coral Gables First National Bank, capital \$100,000, chartered; E. C. Romsh, 273 N. E. 17th Terrace, Miami.

Fla., Fort Lauderdale—City Bank of Fort Lauderdale, 220 Andrews Ave., capital \$50,000, organized; John H. Perry, Pres.\*

Fla., Key West—Key West Mortgage Co., capital \$100,000, organized; Arthur M. Brown, Pres.; Robert H. Givens, Treas.

Fla., Peninsula Sta., Daytona Beach—Southern Title & Trust Co., Journal Bldg., capital \$100,000, organized; Franklin N. Wood, Pres.

Fla., Sebring—Ridge Savings & Loan Co., capital \$250,000, incorporated; George R. Kline, Pres.

Ga., Augusta—L. A. Eckhart, 705 Broad St., interested in organizing Unity Trust Co.

La., New Orleans—Progressive Finance Co., Inc., capital \$20,000, incorporated; Wm. J. Fisher, Pres., 2335 Milan St.

Miss., Jackson—Merchants Bank & Trust Co., J. M. Hartfield, Pres., increases capital to \$450,000.

Md., Cumberland—Braddock Small Loan Bank, Inc., capital \$40,000, organized; Frank Rowe, John F. Getty.

Mo., Oran—First Natl. Bank of Oran, capital \$25,000, organized; George Matz, Correspondent.

N. C., Cherryville—Cherryville Natl. Bank, capital \$100,000, chartered; D. E. Rhyne, Pres.; T. C. Abernathy, Cashier.

Okla., Muskogee—Commercial Natl. Bank, capital \$300,000, chartered; L. W. Duncan, Pres., 403 N. 17th St.

Okl., Oklahoma City—Mutual Savings & Loan Assn., 18 N. Robinson St., increased capital, \$2,000,000 to \$2,250,000.

Okl., Tulsa—United Savings & Loan Assn., 15 W. Fourth St., increased capital, \$6,000,000 to \$7,000,000.

Tex., Newton—First Natl. Bank of Newton, capital \$30,000, chartered; C. S. Mitchell, Pres.; H. L. Swearingen, Cashier; succeeds Newton County State Bank.

Va., Charlottesville—Farmers and Merchants National Bank, N. T. Shumate, Pres., merged with National Bank of Charlottesville; H. Rinehart, Pres., as National Bank of Charlottesville, N. T. Shumate, Pres.; H. F. Dinwiddie, Cashier.

Va., Richmond—Security Guaranty & Mortgage Corp., chartered; J. E. Townes, Sec., 3125 Dill Ave.

Va., Richmond—Wheat, Williams & Co., Inc., reorganized as Wheat, Galleher & Co., Inc.; Jas. C. Wheat, Pres., American Natl. Bank Bldg.

Farmers' Bank, D. L. Hyder, Pres., Elizabethton, Tenn., and First National Bank, H. E. Jones, Pres., consolidated.

Bank of Stokes County, Walnut Cove, N. C., purchased Farmers' Union Bank & Trust Co., J. Spot Taylor, Pres.; Dr. J. W. Neal will be president; C. E. Davis, Cashier.

Interest in real estate in Florida has been stimulated and encouraged by the work of the Florida Title Insurance Co. of Miami, B. K. Hanafourde, Pres., which, according to a report from there, participates in insuring real estate titles in Coral Gables alone valued at \$100,000,000, and to a like amount

in Boca Raton. Elsewhere in Florida the same company has also issued substantial title insurance policies for many important developments. It has also written very many policies covering individual real estate holdings.

First National Bank, J. H. Tatum, Pres., DeLand, Fla., plans establishing trust department.

### Trade Literature

#### New Book of Southern Pine Association.

The newest book of the Southern Pine Association, New Orleans, La., is entitled, "Beautifying the Home Grounds with Southern Pine." It is a finely illustrated publication and has on the front cover page a beautiful picture of a garden in colors. Its purpose is to increase the use of Southern pine in the construction of many things which are necessary for ornamentation of dwellings and their immediate environment. Furthermore, it is intended to do an important duty in connection with dealers, contributing to maintenance of the generally satisfactory relationships between the manufacturers of this wood and their dealer customers. In addition to this, the attractive and practical designs represented stimulate a wish for ornamental fences, gateways, pergolas, etc., and show exactly how they can be constructed. The book will be widely distributed, both through the retail lumber trade and by the company directly to consumers.

#### Several Good Sullivan Publications.

Booklet 131, published by the Sullivan Machinery Company of Chicago, is a handsomely prepared issue with the caption, "Speed Up With Air." It tells all about the Sullivan air compressors and the several mechanical appliances used with them, the descriptive material being accompanied by an abundance of illustrations showing them as they appear when in actual service for various purposes. Lists of specifications and other tabulated data concerning capacities will be useful to customers in making selections. The company has also issued a series of bulletins giving particulars about the all-hammer, light drill steel sharpener, drill steel furnace, belt-driven air compressors, automatic line oiler for drills, "busters" for breaking concrete, clay spaders and plug drills, respectively. All are illustrated liberally and informatively.

#### Sanitation Corporation Booklet.

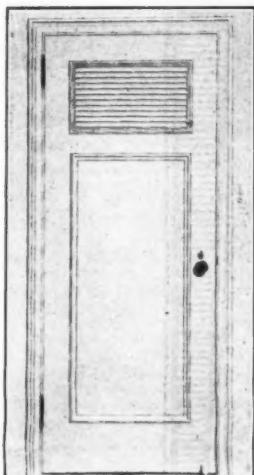
Hydraulic and sanitary equipment, gates, valves and control apparatus for water and sewage that are manufactured by the Sanitation Corporation, engineers and manufacturers, 165 Broadway, New York, N. Y., are comprehensively illustrated and described in Bulletin G-12 from that address. The foreword is something well worth perusal, presenting as it does information of value and service to everyone who has to use the products of the corporation. The illustrations are clean-cut and full of practical information.

#### Fire Did Not Stop Business.

F. Weber Co., Inc., artists' and drawing materials, 227 Park avenue, Baltimore, Md., have sent out a circular letter to their customers stating that the serious loss by fire which they sustained on February 24 will not interfere with the customary run of business and that they are open as usual. They will soon be re-established.

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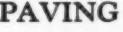
# PROPOSALS



BOND ISSUES



BUILDINGS



PAVING



GOOD ROADS

Bids close March 19, 1926.

**TREASURY DEPARTMENT**, Office of the Supervising Architect, Washington, D. C., February 25, 1926.—SEALED PROPOSALS will be opened in this office at 3 P. M. March 19, 1926, for remodeling and enlarging the U. S. Post Office and Custom House at St. Augustine, Fla. Drawings and specifications may be obtained from the Custodian at St. Augustine, Fla., or at this office, in the discretion of the Supervising Architect. Jas. A. Wetmore, Acting Supervising Architect.

Bids close March 25, 1926.

**TREASURY DEPARTMENT**, office of the Supervising Architect, Washington, D. C., March 3, 1926. SEALED PROPOSALS will be opened in this office at 3 P. M. March 25, 1926, for storehouses, including mechanical equipment and incidental changes and repairs, at the U. S. Quarantine Station, Baltimore, Md. Drawings and specifications may be obtained from the Medical Officer in charge of the U. S. Quarantine Station at Baltimore, Md., or at this office, in the discretion of the Supervising Architect. Jas. A. Wetmore, Acting Supervising Architect.

Bids close April 2, 1926.

**TREASURY DEPARTMENT**, Bureau of Engraving and Printing, Washington, D. C., February 26, 1926. Sealed proposals are invited to furnish dextine, oils, textiles, dry colors, paper box blanks, paper and check paper during the fiscal year beginning July 1, 1926. The right is reserved to reject any or all bids or parts of bids. Samples must be received at the Bureau of Engraving and Printing not later than 2 P. M. Friday, April 2, 1926. Blank forms with specifications for proposals, giving dates on which the bids for the several schedules will be opened, and further information will be furnished on application to A. W. Hall, Director.

Bids close April 3, 1926.

## \$200,000 5% Road Bonds

Toccoa, Ga.

On April 3, 1926, at 11 o'clock A. M., the County Commissioners of Stephens County, Georgia, will receive at Toccoa, Georgia, sealed bids for \$200,000 of 5% road bonds, to be dated April 1, 1926. Interest payable semi-annually. \$8000 principal to be paid April 1, 1931, and \$8000 annually thereafter. Separate bids will be received as follows: \$100,000 for immediate delivery, \$200,000 for immediate delivery. Bids submitted must be accompanied by certified check for \$1000, payable to Stephens County, Georgia. Purchaser will prepare bonds at his expense. FERMOR BARRETT, Clerk.

Bids close April 19, 1926.

## \$75,000 6% Bonds

Tavares, Fla.

Sealed proposals will be received by T. C. SMYTH, Clerk of the Board of County Commissioners of Lake County, Florida, at his office at Tavares, Florida, for the purchase of SEVENTY-FIVE THOUSAND DOLLARS (\$75,000) of bonds of EAST LAKE COUNTY SPECIAL ROAD AND BRIDGE DISTRICT OF LAKE COUNTY, FLORIDA; said bonds to be dated the first day of July, A. D. 1932, and maturing on the first day of July, A. D. 1932; said bonds bearing interest at six (6%) per cent per annum, payable semi-annually. Said proposals shall be received until 11 o'clock A. M. on April 19, 1926; each bid shall be accompanied by a certified check on a bank in the state of Florida for two (2%) per cent of the amount bid. The County Commissioners reserve the right to reject any or all bids. T. C. SMYTH,

Clerk of the Board of County Commissioners of Lake County, Florida.

**RATE:** 35 cents per line per insertion. **PUBLICATION DAY:** Thursday.

**FORMS CLOSE:** 4 P. M. Monday.

**DAY LETTER:** When too late to send copy by mail to reach us by 4 P. M. Monday, forward by day letter.

### THE DAILY BULLETIN OF THE MANUFACTURERS RECORD:

Published every business day; gives information about the industrial, commercial and financial activities of the South and Southwest.

The Daily Bulletin can be used to advantage when copy cannot reach us in time for publication in the Manufacturers Record before bids are to be opened, or when daily publications are necessary to meet legal requirements.

The same rate applies—35 cents per line per insertion.

Bids close March 30, 1926.

## \$150,000 6% Improvement Bonds

NOTICE IS HEREBY GIVEN that the City of Wildwood, a municipal corporation of the State of Florida, will receive sealed bids up to 8 o'clock P. M. on the

30TH DAY OF MARCH, A. D. 1926, at the City Council Chamber in the City of Wildwood, Sumter County, Florida, for \$50,000 Water Works bonds; \$38,000 Street Paving bonds; \$10,000 City Hall bonds; \$2000 Park bonds; \$5000 Fire Department bonds; said bonds being in denominations of \$1000 each, dated January 1, 1926, each bearing interest from date at the rate of six per cent per annum, interest payable semi-annually, both interest and principal payable at Hanover National Bank of the City of New York, New York, in gold coin of the United States, and payable in full as follows:

FIFTY WATER WORKS BONDS, being numbered from one to fifty, both numbers inclusive; and two of said bonds due and payable January 1, 1929, and two each year thereafter up to and including the year 1948, and one each year thereafter up to and including the year 1958.

FORTY-FIVE SEWERAGE BONDS, being numbered from one to forty-five, both numbers inclusive; two of said bonds maturing January 1, 1929, and two bonds each year thereafter up to and including the year 1943, and one bond each year thereafter up to and including the year 1958.

THIRTY-EIGHT STREET PAVING BONDS, being numbered from one to thirty-eight, both numbers inclusive; one of said bonds maturing January 1, 1929, and one each year thereafter up to and including the year 1944, and two each year thereafter up to and including the year 1955.

TEN CITY HALL BONDS, numbered from one to ten, both numbers inclusive; one of said bonds maturing January 1, 1944; three of said bonds maturing January 1, 1956, and three each year thereafter up to and including the year 1958.

TWO CITY PARK IMPROVEMENT BONDS, numbered from one to two, both numbers inclusive; one of said bonds maturing January 1, 1949, and the other maturing January 1, 1950.

FIVE FIRE DEPARTMENT BONDS, numbered from one to five, both numbers inclusive; the first of said bonds maturing January 1, 1951, and one each year thereafter up to and including the year 1955.

The total of said issue being one hundred fifty thousand dollars (\$150,000), and bids will be received upon the issue as a whole or at the option of the bidder; bond for each purpose may be bid on separately.

A deposit of two per cent (2%) of the bid will be required as evidence of good faith.

And the city reserves the right to reject any and all bids.

The approving opinion of Messrs. Clay & Dillon, Attorneys, of New York, New York, will be furnished to the purchaser without charge.

S. R. PHILLIPS,  
Clerk of the City of Wildwood, Fla.

Bids close March 24, 1926.

## \$1,098,000 Improvement Bonds

SEALED BIDS for the purchase of \$1,098,000 bonds of the City of Fort Pierce, Florida, will be received by the City Commission of said city at the office of the City Clerk up to the hour of 7:30 o'clock P. M.

MARCH 24, 1926,

at which time said bids will be opened. Each bid must be accompanied by certified check for \$50,000, payable to the City Commission. The right is reserved to reject any and all bids. Said bonds are in denominations of \$1000 each, dated November 15, 1925, and stipulating for interest payable semi-annually at the office of the United States Mortgage & Trust Company, New York City, N. Y., and are issued under the provisions of Chapter 10548, Laws of the State of Florida. Said bonds will mature as follows: One hundred and twenty-two bonds November 15, 1927, and one hundred and twenty-two each year thereafter up to and including the year 1935. Approving opinion by Hon. John C. Thomson, Esq., New York City, N. Y.

CHARLES C. BURRY,  
Clerk-Auditor of City of Fort Pierce, Fla.

Bids close March 22, 1926.

## \$215,000 6% Municipal Improvement Bonds

NOTICE IS HEREBY GIVEN that the City Council of the City of Okeechobee, Florida, will receive sealed bids for the purchase of "City of Okeechobee Municipal Improvement Bonds, Issue of 1926," in the aggregate sum of Two Hundred Fifteen Thousand (\$215,000) Dollars at the office of the City Clerk in the City of Okeechobee, Okeechobee County, State of Florida, until two o'clock P. M. March 22, A. D. 1926.

The bonds to be sold on this date shall be in denominations of One Thousand (\$1000) Dollars each and to bear interest, payable semi-annually, at the rate of six per cent per annum, both principal and interest payable at the Bank of Okeechobee, Okeechobee, Florida, or at the American Exchange Pacific National Bank, New York City, New York, at the option of the holder. Said bonds to be dated February 1, A. D. 1926, interest payable on the first day of August and the first day of February of each and every year after date of issuance until maturity of said bonds. The principal will mature and be payable as follows: Twenty-One Thousand (\$21,000) Dollars on the first day of February, A. D. 1946, and Twenty-One Thousand (\$21,000) Dollars on the first day of February of each and every year thereafter up to and including the first day of February, A. D. 1954; and Twenty-Six Thousand (\$26,000) Dollars on the first day of February, A. D. 1955.

The City Council reserves the right to reject any and all bids and readvertise the bonds for sale, or to reject all sealed bids and continue the sale by auction.

All bids shall be accompanied by Cashier's check or Certified check without conditions in the sum of One Thousand (\$1000) Dollars, made payable to H. H. De Yarman, President of the City Council of the City of Okeechobee, Florida. The bonds will be ready for immediate delivery and must be paid for within five days after date of sale.

All bids must be addressed and delivered to the City Clerk on or before the hour of sale named above, at which time all bids submitted will be opened and considered.

The City Council will furnish free of charge to the purchasers the approving legal opinion of Caldwell & Raymond and a transcript of the proceedings leading up to the issuance and sale of said bonds.

H. H. DE YARMAN,  
President of City Council of City of Okeechobee, Florida.  
Attest:  
R. P. FLETCHER,  
City Clerk of City of Okeechobee,  
Florida.  
(Corporate Seal.)

## PROPOSALS

## Manufacturers Record

Bids close March 25, 1926.

U. S. ENGINEER OFFICE, Florence, Ala. Sealed proposals will be received here until 11 A. M. March 25, 1926, and then opened, for the construction of a roadway at Dam No. 2 (Wilson Dam), Tennessee River. Further information on application.

Bids close April 7, 1926.

## \$75,000 6% School Bonds

Palatka, Fla.

Notice is hereby given that the County Board of Public Instruction will receive bids at the office of C. H. Price, Superintendent of Public Instruction of Putnam County, at the Courthouse in Palatka on Wednesday, April 7, 1926, at 2 P. M. of said day, for the purchase of \$75,000 bonds of Special Tax School District No. 8 of Putnam County, Florida, the said bonds bearing interest at the rate of six per centum per annum and payable on June 1 and December 1 of each year.

The amounts and maturities of said bonds are as follows:

One bond in the sum of \$250, maturing on December 1 of each of the years from 1928 to 1947, both inclusive.

Two bonds each in the sum of \$1000, maturing on December 1 for each of the years from 1928 to 1947, both inclusive.

Three bonds each in the sum of \$1000, maturing December 1 of each year of the years 1948 to 1952, both inclusive.

Five bonds each in the sum of \$1000, maturing on December 1 for each of the years 1953 to 1955, both inclusive.

A certified check for the sum of \$750, made payable to the County Board of Public Instruction of Putnam County, Florida, shall accompany each bid.

The said Board reserves the right to reject any or all bids, if they deem it for the interest of said district so to do.

By order of the Board of Public Instruction this first day of March, 1926.

L. W. WARREN, Chairman.  
C. H. PRICE, Secretary.

Bids close April 14, 1926.

## Bridge and Approaches

Bay St. Louis, Miss.

Sealed proposals will be received by the Boards of Supervisors of Hancock and Harrison Counties at Bay St. Louis, Miss., until April 14, 1926, for the construction of Federal Aid Project No. 85-A.

The project consists of a bridge across Bay St. Louis, with roadway approaches, having a total length of 2.3 miles. The bridge, which is 1.97 miles in length, is composed of a 202-foot electrically-operated steel swing span on concrete piers, with creosoted timber and pile trestle approaches. Width of roadway is 20 feet, with one sidewalk, pavement being a bituminous carpet coat.

Plans, specifications and additional information may be obtained from the Mississippi State Highway Department, Jackson, Mississippi.

H. C. DIETZER,  
State Highway Engineer.

Bids close April 6, 1926.

## Bridge

Bastrop, La.

Sealed proposals will be received by the Police Jury of Morehouse Parish at Bastrop, La., up to 10 A. M. Tuesday, April 6, 1926, and at that time and place be publicly opened and read, for the construction of the following bridge over Bayou Bartholomew:

Project No. 77 at Zachery Ferry—total length 526 feet, consisting of 426 feet of creosoted timber approaches and a 100-foot steel span through truss superstructure ten-ton capacity, providing a 16-foot roadway with creosoted timber floor joists.

Creosoted and untreated bridge lumber and piling will be furnished by the Parish f. o. b. siding at Jones, La., on the Missouri Pacific Railroad, and steel structure will be furnished in place complete by the contractor.

Information as to location, character of work, extent of time, class of material, terms of payment, regulations governing manner of submitting proposals and executing contract may, on application, be obtained at the office of Parish Engineer at Bastrop, La.

J. LESTER WHITE,  
Parish Engineer.

J. W. BRODNAX,  
President Police Jury.

Bids close March 23, 1926.

## Road Construction

Bastrop, La.

Sealed proposals will be received by the Police Jury of Morehouse Parish at Bastrop, La., up to 2 P. M. Tuesday, March 23, 1926, and at that time and place be publicly opened and read, for the construction of the following road:

Project No. 5, beginning at a point on the Bastrop-Monroe Highway, one mile from Bastrop and extending in a southerly direction 5½ miles to the Mer Rouge-Collinston Road connection with said project, one mile north of Collinston.

Information as to location, character of work, extent of time, class of material, terms of payment, regulations governing manner of submitting proposals and executing of contract may, on application, be obtained at the office of the Parish Engineer at Bastrop, Louisiana.

Proposal forms will be furnished upon application; plans and profiles for inspection at the Parish Engineer's office at Bastrop.

J. LESTER WHITE,  
Parish Engineer.

J. W. BRODNAX,  
President Police Jury.

Bids close March 30, 1926.

## Highway Construction

DEPARTMENT OF PUBLIC WORKS  
STATE OF MARYLAND  
STATE ROADS COMMISSION  
NOTICE TO CONTRACTORS

Baltimore, Md.

SEALED PROPOSALS for building nine sections of State Highway, as follows: Howard County, Cont. HO-41—One section of State Highway from Lisbon to Florence, a distance of 2.69 miles. (Concrete.)

Baltimore County, Cont. B-67—One section of State Highway between Baldwin and Sweet Air, for a distance of 2.27 miles. (Concrete.)

Anne Arundel County, Cont. AA-46—One section of State Highway along Church Street, from the Annapolis Boulevard to the Baltimore City Line, a distance of 0.91 miles. (Concrete.)

Queen Anne's County, Cont. Q-35—One section of State Highway between Queen Anne and Starr, for a distance of 1.0 mile. (Concrete.)

Caroline County, Cont. CO-38—One section of State Highway between Federalsburg and the Delaware State Line, for a distance of 0.95 mile. (Concrete.)

Somerset County, Cont. S-25—One section of State Highway between Princess Anne and Deal's Island, for a distance of 1.7 miles. (Concrete.)

Frederick County, Cont. F-5-B—One section of State Highway along the National Pike from Braddock Heights to South Mountain, a distance of 6.8 miles. (Concrete shoulders.)

Montgomery County, Cont. M-1-A—One section of State Highway from Rockville to Gaithersburg, a distance of 5.33 miles. (Concrete shoulders.)

Baltimore County, Cont. B-15-A—One section of State Highway along the Liberty Road from the Baltimore City Line to Harrisonville, a distance of 7.33 miles. (Concrete shoulders.)

Will be received by the State Roads Commission, at its offices, 601 Garrett Building, Baltimore, Maryland, until 12 M. on the 30th day of March, 1926, at which time and place they will be publicly opened and read.

Bids must be made upon the blank proposal form which, with specifications and plans, will be furnished by the Commission upon application and cash payment of \$1.00, as hereafter no charges will be permitted.

No bids will be received unless accompanied by a certified check for the sum of Five Hundred (\$500) Dollars, payable to the State Roads Commission.

The successful bidder will be required to give bond and comply with the Acts of the General Assembly of Maryland respecting contracts.

The Commission reserves the right to reject and all bids.

BY ORDER of the State Roads Commission this 15th day of March, 1926.

JOHN N. MACKALL, Chairman.

L. H. STEUART, Secretary.

Bids close March 25, 1926.

## Roads and Culverts.

Daytona Beach, Fla.

Sealed proposals will be received by the Ocean Shore Improvement District, a public corporation of Flagler and Volusia Counties, Florida, through its Board of Bond Trustees at the office of the Secretary of said Board at Daytona Beach, Florida, until 2 o'clock P. M. on the 25th day of March, A. D. 1926, for the construction of certain roads and culverts in said district as shown described in the plans and specifications for said construction work. The work will comprise about forty (40) miles of paving twenty (20) feet in width, about Three Hundred (300) acres of clearing and grubbing, and approximately Three Hundred Thousand (300,000) cubic yards of earth embankment.

Bids will be received on the whole or any section or sections of the work.

Plans and specifications may be examined at the office of the Engineer of the District in Daytona Beach, Florida, or for the sum of Twenty-five (\$25) Dollars may be obtained on applying at the office of C. M. Rogers, the Engineer of said District.

Each bidder must accompany his bid with a certified check for Twelve Thousand (\$12,000) Dollars, made payable to the order of W. H. Courtney, Secretary of the Board of Bond Trustees of Ocean Shore Improvement District.

The right is reserved to reject any or all bids, either in whole or in part, or to accept any bid either in whole or in part, as the best interests of the District may appear.

## OCEAN SHORE IMPROVEMENT DISTRICT.

(Corporate Seal)

By ED. JOHNSON,  
L. O. UPSON,  
FRANK BRADLEY,  
R. E. NIVEN,  
W. H. COURTNEY,

As and constituting the Board of Bond Trustees of said District.  
C. M. ROGERS, Engineer in Charge,  
Daytona Beach, Florida.

Bids close April 5, 1926.

## Street Improvements

Sealed proposals on blank forms furnished by the city and addressed to "City Commission, Leesburg, Florida," will be received until 7:30 P. M. April 5, 1926, at Leesburg, Florida, for furnishing all material, equipment and labor for doing the following work:

Approximately 165,000 square yards of Street Paving and 70,000 square yards of Portland cement concrete sidewalks, together with all incidentals connected therewith.

Each bid on street paving or street paving and sidewalks shall be accompanied by a certified check or satisfactory bidder's bond in the sum of not less than Fifteen Thousand (\$15,000) Dollars, and each bid on sidewalks alone shall be accompanied by a certified check or satisfactory bidder's bond in the sum of not less than Five Thousand (\$5000) Dollars. All checks or bidders' bonds shall be made payable to the City of Leesburg, Florida, or to W. E. Harkness, City Clerk.

Plans and specifications may be seen at the office of the City Manager or at the offices of the Engineers at Leesburg, Florida, and Elberton, Georgia.

Full sets of plans and specifications will be furnished by the Engineers upon payment of Twenty-five Dollars, half of which will be refunded upon the return of the plans and specifications, in good condition, within ten days after the award of the contract. Specifications may be obtained from the Engineers upon payment of Two Dollars.

The right is reserved to reject any or all bids.

## CITY OF LEESBURG, FLORIDA.

W. A. MACKENZIE,

Mayor-Commissioner.

D. E. BIVENS, City Manager.

W. E. HARKNESS, City Clerk.

H. S. JAUDON ENGINEERING CO.,

Engineers,

Leesburg, Fla.; Elberton, Ga.

Bids close March 25, 1926.

## Street Paving

## OFFICE OF THE CITY ENGINEER.

Danville, Va., March 9, 1926.

Sealed proposals will be received by the Public Works Committee of the City of Danville at the City Engineer's office in the Masonic Building, Room 313, up to noon March 25, 1926, for the construction of the following pavements:

West Main Street, 28,581 square yards asphaltic concrete on six-inch concrete base, with alternates for pavement between street car tracks, as shown on plans:

Green Street, 2110 square yards pavement, made up of 460 square yards sheet asphalt on cobble base, and 1750 square yards asphaltic concrete on four-inch concrete base.

Wilson Street, 2275 square yards sheet asphalt on cobble base.

Deboe Street, 1159 square yards sheet asphalt on cobble base.

Ross Street, 300 feet west, 1066 square yards penetration macadam.

Loyal Street, 1060 square yards sheet asphalt on cobble base.

Wilson Street, Dame to Lynn, to scarify, reshape and surface treat with cold treatment.

All bids must be upon the blank form furnished by the City Engineer, which may be obtained from the City Engineer's office, together with plans, upon the payment of \$2.00.

Certified check, made payable to the City of Danville, must accompany each bid and must be in the sum of five per cent of the amount of each bid.

Bids must be submitted in sealed envelopes.

The Public Works Committee of the City of Danville reserves the right to reject any and all bids.

E. B. MEADE,

Chairman Public Works Committee.  
C. L. SCOTT, Jr., City Engineer.

Bids close March 26, 1926.

## Street Paving

Rome, Ga.

Sealed proposals will be received by the City Commission of Rome, Georgia, at the City Hall until 11 A. M. March 26, 1926, for furnishing materials and labor to construct street improvements on Maple Street and Second Avenue in and for the City of Rome, Georgia.

The work includes the furnishing of all labor, materials, machinery and equipment of every kind necessary to construct approximately 20,000 square yards of concrete, brick or asphalt paving, 2500 lineal feet of curb and gutter, 4800 cubic yards of earth excavation, all complete in place and in accordance with the plans and specifications on file in the office of the Secretary and the Engineers.

Each bid must be accompanied with a certified check for five (5) per cent of the amount of the bid, drawn to the order of the City of Rome, Georgia.

All bids will be compared on the basis of Engineers' estimate of the work to be done.

Copies of the plans and specifications may be seen at the office of the Secretary or the Engineers. Complete sets of plans and specifications will be furnished to prospective bidders for \$15, of which one-third will be returned upon receipt of a bona fide bid.

The right is reserved to reject any or all bids and the contract may be awarded as a whole or in part to one or more bidders, as considered to the best interest of the City.

CITY OF ROME, GEORGIA.

By G. P. WEATHERS,  
Chairman, City Commission.  
Engineers:

ROBERT & COMPANY, INC.,  
Atlanta, Georgia.

Bids close March 24, 1926.

## Street Improvements

Smithfield, N. C.

Sealed proposals will be received by the Board of Commissioners for Smithfield, North Carolina, at the City Hall, Smithfield, N. C., until 12 o'clock noon March 24, 1926, for Street Improvements.

The work to be done will consist of the following:

30,000 square yards Paving.

10,000 square yards Concrete Sidewalks.

18,000 lin. feet Combination Curb and Gutter.

1,980 lin. ft. Concrete Gutter.

17,300 cubic yards Excavation.

435 lin. ft. 10-inch Storm Sewer.

550 lin. ft. 12-inch Storm Sewer.

1,951 lin. ft. 15-inch Storm Sewer.

17 Catch Basins.

5 Manholes.

2,300 lin. ft. 6-inch Sanitary Sewer.

600 lin. ft. 8-inch Sanitary Sewer.

Each bid must be accompanied by a certified check or Bidder's Bond in an amount equal to five (5) per cent of the amount bid, as evidence of good faith.

Plans and Specifications will be on file at the office of the City Clerk, Smithfield, N. C., and the office of the Engineer, Beaufort, N. C. Copies of the Plans and Specifications may be obtained from the City Clerk, Smithfield, N. C., or the Engineer, Beaufort, N. C., upon deposit of five (5) dollars.

The right is reserved to reject any or all bids.

J. A. NARRON, Mayor.

W. L. FULLER, Clerk.

GEO. J. BROOKS, Engineer.

Bids close March 31, 1926.

## Street Improvements

SIDEWALK, CURB AND GUTTER.

Knoxville, Tenn.

Sealed proposals for street improvements will be received by the City of Knoxville, Tennessee, until 10 o'clock A. M. March 31, 1926, and such proposals will be publicly opened and read immediately thereafter.

All bids shall be made upon proposal blanks attached to the instructions to bidders and specifications, which may be obtained from the office of the City Engineer.

The proposed work will consist of approximately 16,500 square yards of concrete sidewalk, 41,500 lineal feet concrete curb and gutter, as shown in detail by plans and specifications on file in the office of the City Engineer.

Bids shall be accompanied by either a certified check upon an incorporated bank or trust company for two per cent of the amount of the bid, or a bid bond in like amount, with satisfactory corporate surety, to insure the execution of the contract by the successful bidder in accordance with plans and specifications, and entering into bond for full amount of contract.

No contractor will be required to take bonds, warrants or certificates in payment, but payment will be made in cash upon monthly estimates of the City Engineer to the amount of ninety per cent of such estimates and the balance will be paid in cash within sixty days after acceptance of the work. All of said work shall be completed on or before the first day of December, 1926.

The City reserves the right to reject any or all bids.

FREDERICK A. AULT, Recorder.

Bids close March 31, 1926.

## Street Improvements

Knoxville, Tenn.

Sealed proposals for street improvement will be received by the City of Knoxville, Tennessee, until 10 o'clock A. M. March 31, 1926, and such proposals will be publicly opened and read immediately thereafter.

All bids shall be made upon proposal blanks attached to the instructions to bidders and specifications, which may be obtained from the office of the City Engineer.

The proposed work will consist of approximately 35,000 square yards of asphalt on concrete base, 25,000 square yards concrete pavement, with necessary drainage, curb and gutter, sanitary sewer, sewer inlets, manholes and catch basins, as shown in detail by plans and specifications on file in the office of the City Engineer.

Bids shall be accompanied by either a certified check upon an incorporated bank or trust company for two per cent of the amount of the bid, or a bid bond in like amount, with satisfactory corporate surety, to insure the execution of the contract by the successful bidder in accordance with plans and specifications, and entering into bond for full amount of contract.

No contractor will be required to take bonds, warrants or certificates in payment, but payment will be made in cash upon monthly estimates of the City Engineer to the amount of ninety per cent of such estimates, and the balance will be paid in cash within sixty days after acceptance of the work. All of said work shall be completed on or before the first day of December, 1926.

The City reserves the right to reject any or all bids.

FREDERICK A. AULT, Recorder.

Bids close March 23, 1926.

## Street Improvements

Sylva, N. C.

Sealed proposals will be received by the Mayor and Board of Aldermen of the Town of Sylva, N. C., at the office of the Mayor in Sylva, N. C., until 11 A. M. March 23, 1926, for Street Improvements.

The work will consist of about

40,000 square yards of asphalt or concrete or other pavement, with the necessary excavation, curb and gutter, storm-water drains and sidewalks; also water and sewer lines and connections under paving.

Proposals must be marked "Proposal for Street Improvements."

All bids must be upon blank forms provided in the Proposal, Specifications and Contract.

Each bid must be accompanied by a certified check for \$3000 as evidence of good faith.

Contractors bidding must show evidence that they are licensed under the laws of North Carolina providing for the licensing of contractors, otherwise their bid will not be considered.

Plans and specifications will be on file at the Clerk's office in Sylva, N. C., and at the offices of the Engineer in Durham and Asheville, and copies of the specifications, form of proposal, etc., will be mailed upon application to the Engineer at Asheville, N. C.

The right is reserved to reject any or all bids.

DAN TOMPKINS, Mayor.

B. H. CATHEY, Clerk.

Engineers:

GILBERT C. WHITE CO.,  
Durham, N. C., and Asheville, N. C.

Bids close April 6, 1926.

## Water-Supply Improvements

Monroe, N. C.

Sealed proposals will be received by the Mayor and Board of Commissioners at Monroe, North Carolina, until 11 o'clock A. M. on the sixth day of April, 1926, at the office of the Mayor, at which time all proposals will be publicly opened and read, for furnishing materials, labor, tools and equipment to complete such contracts as may be entered into for the construction of Water-Supply Improvements, consisting of the following:

A complete Water-Purification Plant, with mixing basin, settling basin, filters and clear-water reservoir.

13,000 lineal feet 12 or 16 inch cast-iron pipe.

Raw-water pumping station.

Hollow type reinforced concrete spillway dam.

Sewage-pump station.

And necessary appurtenances.

Plans and specifications will be on file at the office of the City Clerk, Monroe, North Carolina, and at the office of the Engineers, and will be mailed upon application, accompanied by a check for \$10, which will be returned to bona fide bidders.

Each bid must be accompanied by a certified check to the amount of 5% of the amount bid and not less than \$250, payable to the Treasurer of Monroe, North Carolina, without recourse.

All bids must be placed in a sealed envelope and endorsed on the outside "PROPOSAL FOR WATER-SUPPLY IMPROVEMENTS." The city prefers to let the entire work in one contract, but reserves the right to waive technicalities and let the work in parts to separate bidders, or let such parts of the work as is considered to the best interest of the city, and reserves the right to reject any or all bids.

Contractors are cautioned to examine the plans and specifications thoroughly, form of contract, bond and conditions under which the work will be done before bidding.

Contractors must comply with the act to regulate the practice of General Contracting as ratified by the General Assembly March 10, 1925.

VANN FUNDERBURK, Mayor.

JOHN H. BOYTE, Clerk.

THE CAROLINA ENGINEERING CO.,

Engineers, 917 Johnston Building,

Charlotte, North Carolina.

G. H. BISHOP, Consulting Engineer.

Bids close March 30, 1926.

## Street Paving

Live Oak, Fla.

Sealed proposals on blank forms furnished by the city and addressed to the Board of Bond Trustees, Live Oak, Florida, will be received until 2 P. M., March 30, 1926, at Live Oak, Florida, for furnishing all material, labor and equipment and doing the following work:

Approximately 74,000 square yards of street paving, with all necessary drainage, curb, curb and gutter and appurtenances thereto, as specified.

All bids must be accompanied by a certified check (not bidder's bond), made payable to the Chairman, for not less than five thousand dollars (\$5000).

Plans and specifications can be seen at the office of the Chairman or the offices of the Engineers, and specifications will be furnished by the Engineers upon the payment of two dollars.

Full set of plans will be furnished by the Engineers upon the payment of ten dollars to cover the cost of printing, mailing, etc.

The right is reserved to reject any or all bids.

E. S. CONNER,

Chairman Board Bond Trustees.

H. S. JAUDON ENGINEERING CO.,

Engineers,

Elberton, Ga.; Eustis, Fla.

Bids close April 2, 1926.

## Sewers and Water Works

Kissimmee, Fla.

Sealed proposals will be received by the City Commissioners of the City of Kissimmee, Osceola County, Florida, at the office of the City Clerk in the City Hall of Kissimmee, until 8 o'clock P. M., April 2, 1926, for the following Sanitary Sewer System, Storm Sewers and Water-Works Extension:

## SANITARY SEWER SYSTEM.

67,000 feet 8-inch Sewer.  
36,000 feet 10-inch Sewer.  
7,000 feet 12-inch Sewer.  
2,000 feet 15-inch Sewer.  
97 Flush Tanks.  
174 Manholes.  
3 Septic Tanks.  
2 Pump Pits.  
2,000 cubic yards Excavation.  
120 cubic yards Class "A" Concrete.  
316 cubic yards Class "B" Concrete.  
38,000 pounds Reinforcing Steel.  
2 Sewerage Pumps, Duplicate Installation.

## STORM SEWER SYSTEM.

10,000 feet 15-inch Pipe.  
7,900 feet 18-inch Pipe.  
800 feet 21-inch Pipe.  
1,700 feet 24-inch Pipe.  
5,400 feet 24-inch Laterals.  
72 Manholes.  
239 Catch Basins.  
300 cubic yards Class "A" Concrete.  
314 cubic yards Class "B" Concrete.  
40,000 pounds Reinforcing Steel.  
WATER-WORKS EXTENSION.

12,500 feet 4-inch Class "B" Pipe.  
41,100 feet 6-inch Class "C" Pipe.  
11,270 feet 8-inch Class "C" Pipe.  
440 feet 10-inch Class "C" Pipe.  
650 feet 12-inch Class "C" Pipe.  
640 feet 14-inch Class "C" Pipe.  
27 tons Flittings.  
25 4-inch Valves.  
54 6-inch Valves.  
10 8-inch Valves.  
2 10-inch Valves.  
1 12-inch Valve.  
7 4-inch Hydrants.  
74 6-inch Hydrants.  
92 Valve Boxes.

Each bid should be accompanied by a certified check, made payable to J. C. Buckels, City Manager, in the sum of two and one-half per cent (2½%) of the total amount of the bid.

Proposals shall be made in sealed envelopes marked with the improvement bid on and upon the forms furnished by the Engineer.

Plans and specifications may be obtained from the City Manager at his office in Kissimmee or at the office of the Engineers in the State Bank Building at Orlando, Florida. A charge of three dollars will be made for the specifications and seven dollars for the plans. No refund will be made.

The right is reserved to reject any and all bids.

PAT JOHNSTON, Mayor.  
J. C. BUCKELS, City Manager.  
RAMSEY-HERNDON & CO., ENGRS.,  
Orlando, Florida.

Bids close March 23, 1926.

## Water-Works Improvements

Long Beach, Miss.

The Mayor and Board of Aldermen of the Town of Long Beach, Mississippi, will receive bids at the Town Hall until 2 o'clock P. M., March 23, 1926, for material and labor necessary in the building of the Water-Works Improvements.

Approximately the following equipment and material will be required:

Two (2) 500 G.P.M. Fire Pumps, either motor-driven, centrifugal or oil engine-driven power pumps.

One (1) 6-inch Water Well.

One (1) 50,000-gallon Steel Tank and Tower.

One (1) 125,000-gallon Concrete Reservoir.

2850 feet of 8-inch Cast-Iron Pipe.  
15,550 feet of 6-inch Cast-Iron Pipe.  
20,770 feet of 4-inch Cast-Iron Pipe.  
16,850 feet of 2-inch Cast-Iron Pipe or Steel Pipe.

Sundry Hydrants, Valves, Fittings, etc.  
Pump House.

Labor laying pipe and general construction.

Plans and specifications will be on file at the office of the Town Clerk, Long Beach, Miss., and at the office of the Engineers. All bids must be submitted on blanks for the purpose furnished with the specifications.

Plans, specifications, with bid sheets, can be obtained from the ENGINEERS, SWANSON-McGRAW, INC., 426 Balter Building, New Orleans, La., by depositing Ten Dollars (\$10), which amount is not refundable.

Each bid must be accompanied by a certified check (Bidder's Bond not acceptable) in amount of five per cent (5%) of the gross amount bid, but in no event shall check be in less amount than Fifty Dollars (\$50) as evidence of good faith.

The right is reserved to reject any or all bids, waive any or all formalities, or accept any bid or bids which in the opinion of the Board appear to be to the best interest of the town.

J. J. BAILEY, Mayor.

JAS. E. McCORMACK, Clerk.

SWANSON-McGRAW, INC.,

Consulting Engineers,

426 Balter Building, New Orleans, La.

Bids close March 30, 1926.

## Water Supply and Sewerage System

New Market, Va.

Sealed proposals will be received by the Mayor and Town Council at New Market, Virginia, until 11 o'clock A. M. on the 30th day of March, 1926, at the office of the Mayor, at which time all proposals will be publicly opened and read, for furnishing materials, labor, tools and equipment to complete such contracts as may be entered into for the construction of a Water Supply and Sewerage System, consisting of the following:

## WATER SUPPLY SYSTEM:

1 Concrete Dam.  
600 cubic yards Concrete.  
60,000 pounds Reinforcing Steel.  
279 cubic yards Earth Excavation.  
88 cubic yards Rock Excavation.  
6,800 lineal feet 10-inch Class "B" Cast Iron Pipe.  
5,500 lineal feet 8-inch Class "B" Cast Iron Pipe.  
7,000 lineal feet 6-inch Class "B" Cast Iron Pipe.  
5,000 lineal feet 2-inch Cast Iron Pipe.  
20 Hydrants.  
28 Gate Valves.

10,000 pounds Cast Iron Specials.

1 Fire Pump and House.

21,000 lineal feet 8-inch Pipe.

1,900 lineal feet 3-inch Cast Iron Pipe.

41 Manholes.

2 Sewage Pumps.

Plans and specifications will be on file at the office of the Town Clerk, New Market, Virginia, and at the office of the Engineers, and will be mailed upon application accompanied by a check for \$10, which will be returned to bona fide bidders.

Each bid must be accompanied by a certified check to the amount of 5 per cent of the amount bid, and not less than \$250, payable to the Treasurer of New Market, Virginia, without recourse.

All bids must be placed in a sealed envelope and endorsed on the outside "PROPOSAL FOR WATER SUPPLY AND SEWERAGE SYSTEM IMPROVEMENTS." The

Town prefers to let the entire work in one contract, but reserves the right to waive technicalities and let the work in parts to separate bidders, or let such parts of the work as is considered to be the best interest of the Town, and reserves the right to reject any or all bids.

Contractors are cautioned to examine the plans and specifications thoroughly, form of contract, bond and conditions under which the work will be done before bidding.

G. A. WOODS, Mayor.

B. F. WHITE, Clerk.

## ENGINEERS:

The American Industries

Engineering Company,

140 Cedar Street,

New York City.

The Carolina Engineering

Company, Associates,

917 Johnston Building,

Charlotte, North Carolina.

Note: All requests for plans and specifications should be sent to The Carolina Engineering Company, Charlotte, North Carolina.

Bids close April 6, 1926.

## Sewer, Water Works, Street Improvements

Brooksville, Fla., March 3, 1926.

Sealed proposals, on blank forms furnished by the City of Brooksville, care City Clerk, will be received until 2 P. M., Eastern Standard time, April 6, A. D. 1926, for the furnishing of all labor and materials and the doing of certain work in connection with storm and sanitary sewer, water works, curb and gutter and street improvements, as set out in specifications on file with the City Clerk and the City Engineer. A copy of the specifications may be had from the Engineer for \$5.00, or a full set of plans, together with the specifications, may be had for \$15.

Bidders may submit bids on any or all of the work embraced in the specifications. A certified check for not less than five per cent, drawn on some solvent bank, made payable to the City of Brooksville, Florida, or a bidder's bond in the sum of five per cent of the bid, must accompany all bids submitted. The checks of unsuccessful bidders will be returned as soon as the lowest or best bidder has been determined. The checks of the successful bidders will be returned when a properly executed contract in the sum of one-half the contract price has been duly executed and accepted by the City of Brooksville. Certified checks or bidders' bonds will be forfeited to the City of Brooksville should the successful bidder fail or refuse to make bond to carry out the contract as per bid submitted therefor.

The right is reserved to reject any or all bids, or to waive in the interest of the City of Brooksville any informalities.

The award of a contract and the completion of same shall be contingent on the validation of the city's bonds, and financial arrangements mutually satisfactory to the city and the contractor.

The following represents the amount of work proposed to be done by the city:

1 deep-water well, with pumping equipment, capacity 600 gallons minute.

48,000 lineal feet 8-inch sanitary sewers.

10,000 lineal feet 10-inch sanitary sewers.

150 manholes, 60 flush tanks and other appurtenances.

3000 lineal feet storm sewers, 12-inch to 24-inch.

3 sedimentation tanks, sanitary sewer.

4600 lineal feet 8-inch water main.

12,000 lineal feet 6-inch water main.

12,500 lineal feet 4-inch water main.

10,000 lineal feet 2-inch precaulked or galvanized water pipe.

75 fire hydrants, 10 tons specials, valves and valve boxes.

85,000 sq. yds. native-rock pavement base.

85,000 sq. yds. of pavement, brick, asphalt or other types.

50,000 lineal feet curb and gutter, etc.

A more complete and detailed list of materials will be found in the specification in the Engineer's office.

Done by order of the City Council of the City of Brooksville, Florida, this, the 2d day of March, A. D. 1926.

F. S. PARRIGIN, Engineer,  
Room 1, over Postoffice,  
Brooksville, Florida.

J. C. KAZEE, City Clerk,  
City Hall, Brooksville, Fla.

Bids close March 31, 1926.

## Cotton Warehouse

Mobile, Ala.

Sealed proposals will be received by the Alabama State Docks Commission at their office, Second Floor, State Office Building, Mobile, Alabama, until 10 A. M. March 31, 1926, and then publicly opened, for furnishing and constructing a cotton warehouse, about 900 feet long and 230 feet wide. Alternate bids will be accepted for brick and concrete walls.

A deposit of Ten Thousand (\$10,000) Dollars in cash or certified check, or in lieu thereof a bidder's bond for like amount with an approved company, is required with each proposal.

Specifications, proposal forms and plans are on file in the office of the Purchasing Agent, Second Floor, State Office Building, Mobile, Alabama. Complete sets will be furnished to prospective bidders on deposit of \$35, which will be refunded to depositors who submit formal proposals or return sets in good condition within thirty days of opening of bids.

A bond to the amount of 50 per cent of the sum bid is required with notarial contract.

The right is reserved to reject any or all bids and to waive informalities.

ALABAMA STATE DOCKS COMMISSION.

WILLIAM L. SIBERT, Chairman.

Bids close March 30, 1926.

## School Building

Inverness, Fla.

Sealed bids will be received by the Board of Public Instruction of Citrus County, Inverness, Florida, until 2 P. M. March 30, 1926, for the construction and erection of two school buildings, one at Lecanto, Florida, and one at Floral City, Florida, according to plans and specifications prepared by George MacKay, Architect, Ocala, Florida.

Bid forms, plans and specifications may be procured from the Architect upon deposit of \$25. All bids must be accompanied by a certified check for \$500, made payable to Jesse Montague, Superintendent of Public Instruction, Inverness, Citrus County, Florida, said sum to be forfeited to County Board of Public Instruction in the event the successful bidder fails to comply with terms of his bid, and successful bidder to furnish bond in some surety company authorized to do business in Florida in full sum of contract price for the faithful performance of his contract.

The Board reserves the right to reject any and all bids.

I. O. FENDER, Chairman.

JESSE MONTAGUE, Secy. and Supt.

## Notice to Architects

Greenwood, Leflore Co., Miss.

Board of Supervisors will select architect for making plans and specifications for annex to County Courthouse for additional offices and for installing jail therein, and select designer for plans for jail on April 5, 1926.

A. R. BEW, Clerk.

Bids close April 14, 1926.

## School Building

Jasper, Fla.

Bids will be received from contractors and builders by the Board of Public Instruction of Hamilton County, Florida, at their office in the Courthouse in Jasper, Florida, until 11 o'clock A. M. Wednesday, April 14, 1926, for the erection of a School Building in Jasper, Florida, for Special Tax School District Number One (1), Hamilton County, Florida, in accordance with plans and specifications prepared by S. J. Welch, Architect, Pensacola, Florida.

Plans and specifications may be secured from the office of W. W. Bradshaw, Superintendent of Public Instruction, Courthouse, Jasper, Florida, upon a deposit of \$15. This deposit will be refunded if plans are returned in good condition on or before the date of opening bids.

A certified check for 2½ per cent of the bid must accompany all bids. The successful bidder will be required to enter into a contract and furnish a surety bond through an agency that pays a license in Hamilton County, Florida, and is satisfactory to the Board, in the sum of \$20,000 for the faithful performance of said contract.

The Board of Public Instruction reserves the right to reject any and all bids.

W. W. BRADSHAW,  
Superintendent and Secretary.

Bids close March 23, 1926.

## Gravel

Bastrop, La.

Said proposals will be received by the Police Jury of Morehouse Parish at Bastrop, La., up to 2 P. M. Tuesday, March 23, 1926, for the furnishing of 4500 cubic yards of washed gravel, to be delivered on Missouri Pacific Railroad at Collinston, Upland and Bastrop for Project No. 5.

Specification and proposal forms will be furnished upon application at the Parish Engineer's office at Bastrop, La.

J. LESTER WHITE,  
Parish Engineer.

J. W. BRODNAX,  
President Police Jury.

## Notice to House Movers

Bids will be received by the undersigned for the moving of a three-story brick building, 40 feet by 110 feet ground plan. The building to be moved approximately 15 feet in one direction and 100 feet in another.

A. V. SAPP,  
Greensboro, N. C.

Bids close April 8, 1926.

## Motor-Driven Pumps

Port Arthur, Tex.

Sealed proposals, addressed to J. C. Hamilton, City Clerk of the City of Port Arthur, Texas, will be received at the office of the City Clerk until 2 P. M. Thursday, April 8, 1926, for furnishing two 10,000 G. P. M. low service, one 2100 G. P. M. and one 3500 G. P. M. high service motor-driven pumps to the City of Port Arthur, Texas.

Bidders must submit certified checks or cashier's checks on a state or national bank doing business in Texas for five (5%) per cent of amount of bid, payable without recourse, to the order of J. P. Logan, Mayor, as a guarantee that bidder will enter into a contract and execute bond satisfactory to the City Commission within ten (10) days after notice of award of contract. Bid without check will not be considered.

Instructions to bidders, proposal forms and specifications are on file at the office of J. O. Herpin, Supervising Engineer of the City of Port Arthur, Texas.

(Signed)  
J. C. HAMILTON, City Clerk.

Bids close April 6, 1926.

## Bridge Material

Bastrop, La.

Sealed proposals will be received by the Police Jury of Morehouse Parish at Bastrop, La., up to 10 A. M. Tuesday, April 6, 1926, for the furnishing of creosoted and untreated bridge lumber and piling to be delivered at Jones, La., on the Missouri Pacific Railroad, at which time and place said proposals will be publicly opened and read.

## APPROXIMATE QUANTITIES.

Project No. 77, Jones, La., creosoted lumber, 39,000 ft. B.M.; untreated lumber, 28,000 ft. B.M.; creosoted piling, 4300 lin. feet.

Information as to class of material, terms of payment, regulations governing manner of submitting proposals and executing contract may, on application, be obtained at the office of the Parish Engineer at Bastrop, Louisiana.

J. LESTER WHITE,  
Parish Engineer.

J. W. BRODNAX,  
President Police Jury.

## MINERAL AND TIMBER LANDS, WATER POWER, MISCELLANEOUS PROPERTIES

## CLASSIFIED OPPORTUNITIES

FOR SALE—Four large timber tracts with mills; also two going manganese mines. R. P. JOHNSON, Wytheville, Va.

CAPITALISTS INTERESTED in an exceptional cement deposit or deposit of best quality yellow ochre should write me. W. W. DEWHURST, Box 601, St. Augustine, Fla. For many years of Mr. Flagler's personal counsel.

NORTHWEST GEORGIA.  
The scene of the next great industrial development in Georgia. Electric power available. Large power plants under construction.

For industrial sites; pine and hardwood timber; brick shafts; clays; large or small water powers; farms in a prosperous section. Write, with detail, as to your requirements.

C. E. VANCE, Calhoun, Ga.

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Rate 30 cents per line per insertion. Minimum space accepted, four lines. In estimating the cost allow seven words of ordinary length to a line. When the advertisement contains a number of long words proper allowance should be made. Terms: Invariably cash with order; check, postoffice or express order or stamps accepted. No display type used. Questionable or undesirable advertisements will not be accepted. The assistance of our readers in excluding undesirable advertisements is requested. We reserve the right to refuse any advertisement. No patent medicine, oil or mining stock advertisement accepted. Rate for special contracts covering space used as desired within one year as follows: 100 lines, 28c per line; 300 lines, 26c per line; 500 lines or more, 25c per line.

## MINERAL AND TIMBER LANDS, WATER POWER, MISCELLANEOUS PROPERTIES

FOR SALE—A1 Limestone and Shale Property, 125 acres on Norfolk & Western and Virginian Railways; High Ridge with bottom land. Excellent location rock dust, agricultural lime, road material, etc. By Owner, Box 531, Beckley, W. Va.

MINING PROPERTY FOR SALE—Middle Atlantic State. Extensive development, showing good commercial gold values assaying \$8 and over. Fair equipment; well located. A property with real merit and value. Address 6568, care Manufacturers Record, Baltimore, Md.

## GRAVEL DEPOSIT

## GRAVEL!!

If you are interested in gravel deposits you should see our offerings: 25 to 50 years' supply finest gravel and building sands. Accessible, convenient to railroad.

LANGFORD, LATHAM & LEA,  
Realtors,  
Anderson Theater Building, Gulfport, Miss.

**MINERAL AND TIMBER LANDS, WATER POWER, MISCELLANEOUS PROPERTIES****TIMBER AND TIMBER LAND**

**FOR SALE**—Timber lands, cut-over lands, especially suitable for colonizing, ranching or subdivision, located Alabama and Florida. H. H. WEFEL, JR., Mobile, Alabama.

**FARM, FRUIT AND TRUCK LANDS****ALABAMA**

WONDERFUL OPPORTUNITIES, with unlimited possibilities, for investment on the Gulf Coast at Mobile. The land that steals your heart away. We have factory sites, textile mill, central business property, farms, orange and pecan groves, timber tracts, cut-over land, water-front property, homes and desirable building lots at very attractive prices and easy terms. Write us for information and literature. GULF COAST INVESTMENT COMPANY, INC., REALTORS, 32-34 N. Royal St., Battle House Bldg., Mobile, Ala.

**FLORIDA****LEON COUNTY, FLORIDA.**  
White-Rivers Company,  
Realtors.

Tallahassee, Capital of Florida. One good investment in Florida worth lifetime of labor.

**FOR SALE**—To settle estate, 20,000 acres near Jacksonville at \$125 per acre; 5000 acres St. Johns River front, \$250 per acre. ERNEST YAGER, 2855 St. Johns Ave., Jacksonville, Fla.

**WE ARE REALTORS.**  
Service and Reliability Our Slogan.  
How can we help you in Florida?  
GOODWIN & BAKER,  
Fort Pierce, Florida.

S. J. OVERSTREET, Realtor,  
Walker Apartment Building,  
Titusville, Florida.  
City Property. Farms. Groves. Acreage.  
Nothing but Real Estate.

**MELBOURNE, FLORIDA**  
Wants Apartment Houses.  
Write for full information. All kinds of  
property for sale.  
**FLORIDA REALTY CO.**  
John W. Lepper, Pres. Box 204.

**SARASOTA, FLORIDA.**  
Attractive offerings in Acreage Tracts  
and Lots in Sarasota and Suburbs.  
For further information address  
**DEAN-TYLER COMPANY, INC.**  
REALTORS.

**FORT PIERCE, FLORIDA.**  
Tract of offering of subdivision acreage  
and lots in Fort Pierce and suburbs, also  
large acreage tracts from sections to four  
hundred thousand acres. Ocean and river  
frontage.  
J. G. COATS, Realtor,  
Fort Pierce, Florida.

**CARR & CARR, INC.**  
Realtors,  
**WEST PALM BEACH, PALM BEACH,**  
LAKE WORTH.  
References—Any bank or trust company in  
Palm Beach County.

**TWENTY ACRES AND PLENTY.**

Free book tells truth about Florida  
land; monthly payments \$1 an acre.  
Orange groves, planted, cared for,  
10 per cent above cost.

SYLVESTER E. WILSON,  
Dept. X, Orlando, Fla.

**FOR SALE**—1320 feet Ocean Beach at \$90 a front foot, consisting of 52 acres, 1320 feet on the wonderful Ocean Beach, 1720 feet deep, adjoining the famous Deerfield groves and the Orchid Isles Development and a short distance from the New Wabasso Causeway. Terms, \$30,000 down, balance 1, 2 and 3 years. Title up to date. Wire, write or phone Geo. Fruin or D. W. Hogan, with Hoyt E. Morris Co., at Vero Beach, Florida.

**FARM, FRUIT AND TRUCK LANDS****FLORIDA**

**FLORIDA**—“The Ante Room to Heaven”; no state, income or inheritance taxes; the finest year-round climate in the world; heaviest crops marketed in the winter months, bringing highest prices in the frozen Northern markets. We have an investment, a home, grove or farm for you. Write today for Free Booklet, “The Largest Orange Tree in the World,” and new list. Tampa-West Coast Realty Co. (Inc.), Opp. Postoffice, “Since before the War,” Tampa, Fla.

**FLORIDA PROPERTY.**

Acreage, Orange Groves, Farm Lands, Subdivisions and Business Property in the heart of the state that affords exceptional opportunities for investments and developments. Let me act as your broker. I have long been a resident and know the state well, and have never recommended to any purchaser any property that did not enhance in value. References: Munroe & Chambliss National Bank, Chamber of Commerce of any local merchant. C. C. BENNETT, Simmons Block, Ocala, Fla.

**ATTENTION.****OWNERS OF LAND IN FLORIDA.**

If you own large tracts of land in Florida, and are willing to sell at a reasonable price, give us a full legal description of same and price desired and we can sell it for you. Titles to the property must be clear.

We are in constant touch with buyers of big property, but must have exclusive listings only.

Our reference is The Miami Bank & Trust Company.

**FLORIDA LAND SALES CORPORATION,**  
524 SEYBOLD BUILDING,  
MIAMI, FLA.

“WE KNOW FLORIDA”

**FLORIDA INVESTMENTS  
MANATEE COUNTY.**

The county that stands 7th in production of fruit and vegetables in the U. S. A solid foundation back of your investments—Farm Lands—Business Properties—Lots or Acreage for Subdivisions.

Full information on request—we can buy for you and we can resell for profit.

References: Bradenton Bank & Trust Co.  
**MANATEE LAND SALES CO.,**  
Bradenton, Fla.  
St. Petersburg Office—560 First Ave. North.

**WILLIAM H. COLLIER, INC.,  
INVESTMENT BROKERS,  
DE LAND, FLORIDA,**  
offers a reliable, distinctive service in real estate investments. Our weekly letter is reliably informative. Your name and address will bring it to you without obligation. Address Claude Wright, General Manager, William H. Collier, Inc., De Land, Florida.

**THE NEXT BIG MOVEMENT IN FLORIDA.**

The next big movement in Florida development will be in Florida agricultural lands. There are millions of productive acres in Florida yet untilled. If you want a share in this new Florida development, buy low-priced lands now. Here are some good offers:

10,000 acres Baker County, Florida, known as Cedar Brook Farms. Price \$17.50 per acre.

6000 acres Baker and Columbia Counties, Florida, \$11.50 per acre. No swamp; suitable for small farms.

8000 acres Leon County, only eight miles from Tallahassee, state capital. Cut-over lands; splendid for small farms. \$11.50 per acre.

16,000 acres near Callahan, Nassau County, in the heart of the poultry-raising district of the state; 12,000 acres surveyed and platted into 5-acre tracts. \$19.00 per acre.

All offers subject to prior sale and change in price.

**GET BUSY!**

**HOWARD L. SWISHER & COMPANY,**  
Land Merchants,  
Box 3561, St. Petersburg, Fla.

**FARM, FRUIT AND TRUCK LANDS****GEORGIA**

**77 1/2 ACRES IN PEACH SECTION**—Has on it fine deposit of trap rock suitable for street paving. Nearest deposit to Florida of this rock. Tract is traversed by two railroads providing easy loading facilities. Has good improvements, located on public road within short distance of two railroad stations. Large part of the land is suitable for peach growing. Successful orchards now operated all around it. Price \$18,500.

**THE GEORGIA LOAN & TRUST COMPANY,**  
Macon, Georgia.

**NORTH CAROLINA**

**CHADBURN**, the largest strawberry market, Coxville loam soil the reason; \$1000 often cleared above expenses from one acre. 1925 one man cleared \$9000 on 15 acres. We have 200-acre farm, every acre Coxville loam, very low in price, and a 35-acre farm, same soil. Address **FARMER**, Box 35, Chadbourn, N. C.

**SOUTH CAROLINA**

**ISLAND, LAND AND TIMBER.** For Sale—Four thousand-acre island, twenty-one hundred high, one thousand cleared, fine truck land. Island abounds with deer, quail and other game, duck pond, high bluffs, several beautiful old home sites. Located on South Carolina coast; also other salt-water frontage, cut-over lands and timber. J. W. BARNES, Realtor.

Mendel Building, Savannah, Georgia.

**VIRGINIA**

**HIGH-CLASS FARM** Property, just outside of good town, with buildings and fences, well watered, specially adapted and equipped for dairy; 109 acres in high state fertility. Write for particulars. Owner, Box 67, Clarksville, Va.

**BUSINESS OPPORTUNITIES**

**FIRM OF ENGINEERS** and Builders desire to co-operate with real estate development operators who contemplate building program, and offers high-grade design and construction service for buildings of better class. Now available for spring operations. No. 6567, care Manufacturers Record.

**INVEST YOUR** time and money in Roanoke, Virginia, a growing industrial city of 70,000 busy people. Feel free to ask me questions—you will be cheerfully answered.

I sell Investment and Business Properties—the best kind—in Roanoke. OSCAR A. WALL, with Ellis L. Wright, Realtor, Box 497, Roanoke, Va.

**LOUIS B. BOUCHELLE, JR.**  
Lands at New Smyrna, Florida.  
**BUSINESS PROPERTY** that will pay a profitable income upon the principal invested in town that is not dependent upon the tourist rush.

**DEVELOPED BUSINESS PROPERTY**; vacant business property **ALONGSIDE** that already improved; Lake and River front lots for homes are our specialties. These properties are always good and in demand.

R-E-M-E-M-B-E-R  
Florida is daily growing smaller and each week's passing makes for higher values. Get your piece now.

**CITY REALTY COMPANY**,  
Jno. F. Pearson, Prop.,  
7 Bal. Building Sanford, Fla.

**OFFER EXTRAORDINARY.**

190 acres, mostly island, in Lake County. Over 13,000 citrus trees in grove form, very best proven varieties. Highly developed, excellent for subdivision, high-grade gentlemen's estate, hotel, hunting lodges or colony. Property must be seen to be appreciated. It cannot be duplicated anywhere. Price \$275,000. If prepared to handle proposition this size, you will make no mistake in writing for full particulars.

E. H. MOTE,  
Leesburg, Florida.

## FINANCIAL

**WANTED TO BORROW \$30,000** on a well-established Furniture Manufacturing Plant doing good business, located in the most progressive part of Florida. Security will be on \$100,000 or more, with first mortgage. Would like loan at 6% interest. Address No. 6563, care Manufacturers Record, Baltimore, Md.

**CAPITAL WANTED**—The South has seventeen millions cotton-mill spindles and three hundred forty thousand looms. Eighty per cent of these located in North Carolina, South Carolina and Georgia. More mills being built. The potential market for machinery replacement parts and textile specialties unlimited. Our business established in the center of this industrial district. We are marketing patented gears, pulleys and roller bearings, and while only a year old many of the biggest mills are users of our product—some have standardized on it exclusively. We have other valuable appliances ready, but unable to market owing to lack of facilities and capital. We need capital for plant and equipment to provide for an increasing business. This is a meritorious proposition which will stand closest investigation both as to personnel and product. Address No. 6570, care Manufacturers Record, Baltimore, Md.

## INDUSTRIES WANTED

## IF INDUSTRIALLY INTERESTED IN FLORIDA,

Remember, we are engineers. We will render our experience available at your service. Will assist in development of your manufacture or organization. We will extend your manufacture into this ever-growing field of opportunities, will submit survey of the territory most suitable to your problems. General mechanically and chemically allied industries are invited to select our service and interest. We also solicit investment inquiries.

BAJDA, JAMERSON & GILBERT, INC., 311 Stovall-Nelson Bldg., Tampa, Fla.

## INDUSTRIAL PLANTS

**FOR SALE**—Two-story, well-built brick building, cement foundation, fireproof vault, equipped with printing presses or adapted to manufacturing; two railroads; southern entrance Shenandoah National Park. Waynesboro, Va. P. S. Thomas, Harrisonburg, Va.

ELYRIA, OHIO—Modern new plant, 25 acres, main building monitor type, brick and steel, wood block floor, 82½x162; B. & O. siding in building, electric crane, power house 50x51; boilers, engine, generators and power wiring installed; frame office building 16x48. W. S. POLE, 14 W. Eighth St., Erie, Pa.

**FOR SALE**—Splendid factory located on Belt Railway in Chattanooga, the best manufacturing city in the South; factory equipped with steam plant, sprinkler system, building brick and concrete, 50x280, two stories half length, formerly hosiery mill; suitable for any manufacturing. Now have loan of \$35,000 due in three years at 6 per cent; will sell for \$100,000; will be worth twice this in five years. Wire or write owner, T. L. Moore, P. O. Box 357, Chattanooga, Tenn.

## BUILDING FOR SALE

**FOR SALE**—Three-story, Mill-Constructed Building, 145x200, located in Atlanta, on Southern Railway, with platform track space for nine cars, equipped with elevator and sprinkler system.

MANGET BROS. CO., Newnan, Ga.

## HOTEL SITE

TAMPA, FLORIDA—All-season hotel site, entire block fronting on four streets, 210x210; three blocks east of Hillsborough Hotel; two blocks from Post Office; on main cross street to Union Station; 99-year lease on 8% basis. Would consider making lease on one-half block. Address Owner, Room 5, Lucas Building, Tampa, Florida.

## COMMERCIAL PROPERTIES

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Commercial Properties, Railroad Trackage, Warehouse Locations, Waterfront Sites.

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Realtor,

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Tampa, Florida.

## FACTORY SITES

**PORT OF NEW ORLEANS**—Industrial Sites fronting Mississippi River; railroad facilities. MEREAUX & NUNEZ, 710 New Orleans Bank Bldg., New Orleans, La.

**FACTORY SITE FREE**—In Cliftondale Park, a suburb of Clifton Forge, Va. On main line C. & O. Railway; large stream through property, within fifty yards high-power electric line; low current rates. Good labor conditions; healthful climate. From one to five acres absolutely free to anyone who will locate an industry on the property. L. W. Farrer & Co., Inc., Clifton Forge, Va.

**EXCELLENT FACTORY SITE** with long frontage on Main Line of Southern Railway both sides, also sidetracks, flag stop and long frontage on National Highway. Plenty of good water, several hundred acres available; Southern power close by and labor plentiful. The best factory town site we know of in the great Piedmont manufacturing section of N. C. Very reasonable price.

F. C. ABBOTT & CO., Realtors,  
Charlotte, N. C.  
28 years' experience in North Carolina  
Real Estate.

**BEST COTTON MILL SITE IN SOUTH**—390 acres, just outside corporate limits LaGrange, Ga., fronting three-fourths mile on A. & W. P. R. R.; good drainage and crossed by creek that never runs dry; high altitude, free from malaria. Electric power available and near Alabama coal fields for steam power. LaGrange has eight of most successful mills in South, with ideal labor situation. For further information communicate direct with owners, F. M. LONGLEY, Box 317, Chattanooga, Tenn., or F. P. LONGLEY, LaGrange, Ga.

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Write for our free Guide Books and "RECORD OF INVENTION BLANK" before disclosing inventions. Send model or sketch and description of your invention for our Inspection and Instructions, free. Terms reasonable. Highest references. VICTOR J. EVANS & CO., 712 Ninth, Washington, D. C.

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**CALLING ON ARCHITECTS and Contractors** to secure sales on newly-developed, high-grade commercial Kalamein Door, sold at prices on which large volume can be developed. No. 6433, care Manufacturers Record.

**MANUFACTURERS' AGENT or builders'** supply house calling on architects and contractors to handle our asphalt damp-proofing. Liberal proposition. Richmond Fibre Product Co., Richmond, Va.

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**MANUFACTURERS' AGENCY** covering Florida, Cuba, the Bahamas and other adjacent countries would like to secure accounts of responsible manufacturers of structural steel and other building materials. Address GENERAL TRADING CO., De Soto Hotel Block, Tampa, Fla.

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**HELP WANTED**—Manager Automobile Equipment Department; salary, commission basis. Well-established wholesale house, New Orleans. Address No. 6566, care of Manufacturers Record, Baltimore, Md.

**WANTED**—One first-class Superintendent who understands highway and municipal paving work; also one first-class Foreman who can handle same class of construction. References required. Reply to Hudson & Scruggs, Inc., Box 369, Wilmington, N. C.

**REPRESENTATIVE WANTED**—We still have available some desirable territory in the South Atlantic states. If you are a graduate engineer, specializing in the heating and ventilating field and are established in that district, we would like to hear from you. This is a desirable opportunity. Write to Illinois Engineering Company, 21st and Racine Ave., Chicago, Ill.

**SALESMEN WANTED**—Our proposition offers greater earning possibilities to the real salesman than is offered to him in most any other line. A credit and collection service with a bonded recovery obligation. American Security Credit Company, General Offices, St. Louis, Mo.

**WANTED — HIGH-GRADE SALESMEN AND SALES AGENTS CAPABLE OF REPRESENTING A NATIONALLY KNOWN QUALITY BRAND OF TECHNICAL PAINT SPECIALTIES, EXCLUSIVELY OR IN CONJUNCTION WITH SOME OTHER LINE. FULL INFORMATION AS TO EXPERIENCE, PRESENT CONNECTIONS AND REFERENCES REQUIRED. ADDRESS No. 6485, CARE OF MANUFACTURERS RECORD, BALTIMORE, MD.**

**SALARIED POSITIONS \$2500 to \$25,000, upward; executive, technical, administrative, engineering, manufacturing, professional, financial, etc., all lines.** If qualified and receptive to tentative offers you are invited to communicate in confidence with the undersigned, who will conduct preliminary negotiations. A method is provided through which you may receive confidential overtures without jeopardizing present connections, and in a manner conforming strictly to professional ethics. Established 1910. Send name and address only for preliminary particulars. No obligation. R. W. Bixby, Inc., 268 Main St. (Suite 803), Buffalo, N. Y.

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New company, now about to organize, wants competent manager. Contracts assured by connection with general contractor. Good salary to start and interest in business later. Must be able to pass Florida state examination and that of one or two cities. If you have had trouble with union do not answer.

We believe this is a real opportunity for a hustler, with a chance for more remuneration than any except the top rank of engineers receive. Address No. 6569, care Manufacturers Record, Baltimore, Md.

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**ALLIS-CHALMERS** Parson Steam Turbine, 300 kw., 3 phase, 60 cycle, 2300 volts, non-condensing; No. 1 condition. N. B. Dial, 1852 Kalorama Rd., Washington, D. C.

**FOR SALE**—1 No. 10-E Koehring Paver in excellent condition; an excellent buy; price upon application; located Baltimore. D. C. ELPHINSTONE, INC., 120 S. Calvert St., Baltimore, Md.

# Seventh SOUTHERN TEXTILE EXPOSITION

Textile Hall  
GREENVILLE, S. C.

November 1st to 6th, inclusive, 1926

The Directors of Textile Hall Corporation and the Exhibitors cordially invite you to attend the Southern Textile Exposition, to be held in Textile Hall, Greenville, S. C., November 1st to 6th, 1926.

Attractive displays will be made by the leading manufacturers of textile machinery, equipment, accessories and supplies. The latest inventions and improvements will be shown. The number of exhibitors is so great an Annex will be necessary to accommodate them. This Annex will be reached by three wide passageways, and will include every facility for proper heating and illumination.

Material changes in the balcony will make this part of Textile Hall more desirable. A few spaces for exhibitors are still available.

An important feature will be the Club Room for executives, superintendents, overseers and other visitors. Capable committees, well trained by six previous successful expositions, will handle the entertainment and other special features, in which all Greenville citizens will co-operate.

The hotels of Greenville are equal to housing the large number of visitors who patronize these expositions. Please address Reservation Committee for prompt service.

Textile Hall Corporation takes this opportunity of announcing that it will continue to hold these expositions, and asks for the co-operation of all who have in the past enabled us to make them the largest and most interesting affairs of their kind in the world.

For space apply to

TEXTILE HALL CORP.  
Greenville, S. C.

## FOR SALE Entire Plant of the McCraw Brick Co., Inc. GAFFNEY, S. C.

The manufacturing plant of the McCraw Brick Company, Inc. is situated four miles from Gaffney, S. C., with side track on the double tracked main line of the Southern Railway Company, from Washington to Atlanta, and is in the heart of the Piedmont Section of the Carolinas.

It is located 56 miles from Charlotte, N. C., 33 miles from Gastonia, N. C., 20 miles from Spartanburg, S. C., and 56 miles from Greenville, S. C., with very advantageous freight rates to all points in this section. This is the center of the great manufacturing section of the Carolinas, which is now the greatest cotton manufacturing section of the United States, and has unlimited possibilities for future development, with constantly growing demand for brick to meet the needs of expanding business.

It is located 75 miles from Asheville, N. C., which is the center of the Blue Ridge Mountains section, where great developments are now being made, with unprecedented building now going on and contemplated for the near future. Freight rates are advantageous to all points in this section.

The plant is operated entirely by electric power, and is equipped with modern machinery for making side-cut brick and has daily machinery capacity of 75,000 brick. Have Type "00" electric shovel, nine down draft round kilns, which are on forced draft with exception of two kilns, six tunnel dryer with capacity for 40,000 brick, per day, and open sheds with capacity for 100,000 brick, and all other machinery necessary for operation of brick plant.

Have 99 year lease on 258 acres, with unlimited clay for both face and common brick.

PLANT IS OPERATED THROUGHOUT THE ENTIRE YEAR.

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Manufacturers Record BALTIMORE, MD.

### Six Fine Apple Orchards in Patrick Co., Va.

(Approximately 3500 acres on which are approximately 80,000 trees)

Pursuant to order of the United States District Court for the West District of Virginia, the real estate holdings of Patrick Orchards, Inc., bankrupt, consisting of six separate orchards of from 3,000 to 32,000 bearing trees each, will be sold, in whole or separately

#### AT AUCTION

These orchards are located in Patrick County, on the slopes of the Blue Ridge Mountains near Stuart, Va., on the Danville and Western Railway (a branch of the Southern) where good labor is cheap and plentiful. No better fruit section can be found. Close to cold storage. All of these orchards must go to the highest bidder.

April 6, 1926, at 1:30 P. M., at Stuart, Va.

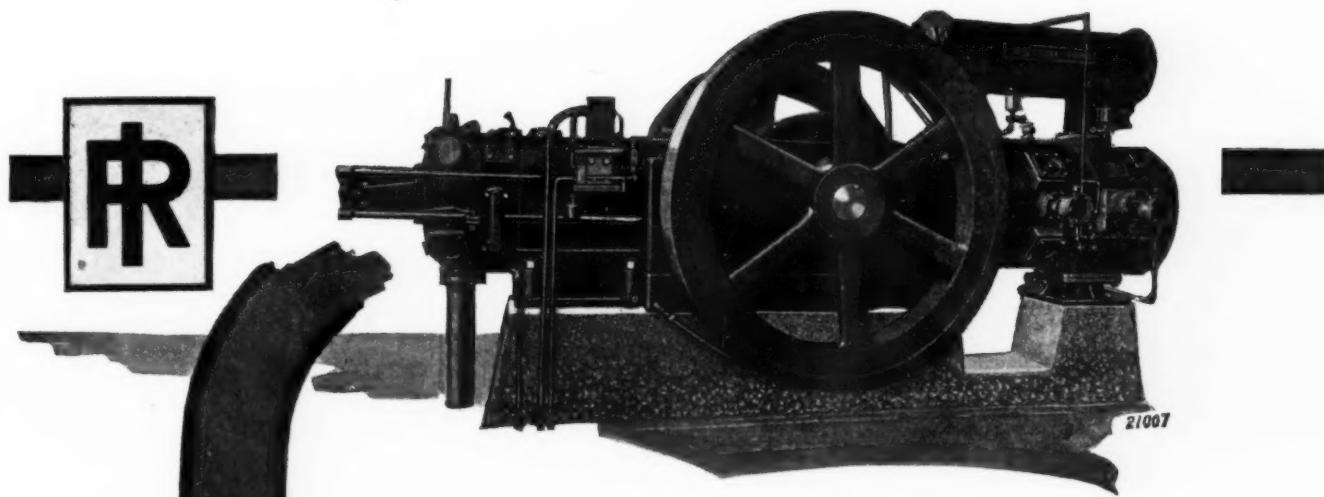
TERMS: One-third cash, balance in equal amounts one and two years, to be evidenced by two negotiable notes bearing interest at six per cent. per annum, payable semi-annually. Title retained until purchase money is paid in full. We are anxious and willing to show this property before the sale. Free transportation from Martinsville to interested parties.

For Full Particulars, Write or Wire

W. E. BUFORD, *Trustee*, 907 E. Main Street, Richmond, Va.  
H. A. FORD & CO., INC., *Selling Agents*, Martinsville, Va.

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## Use an I-R Oil Engine Compressor



An efficient two-stage compressor with water intercooler.

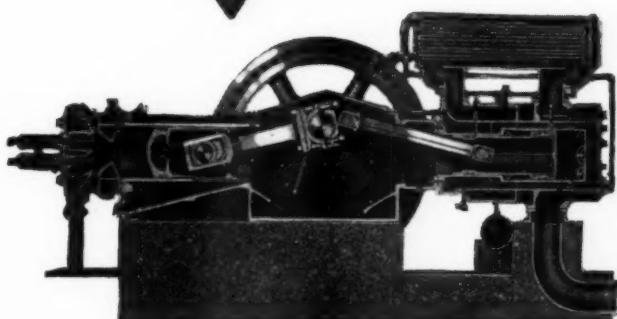
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A modern four-cycle oil engine which operates at full Diesel economy.

This unit will compress 500 cubic feet of free air per minute to 100 pounds pressure at a fuel and lubricating oil cost of less than 40c per hour. (Based on fuel oil at 6c per gal. and lubricating oil at 60c per gal.)

Compare this with your present costs of compressing air.

Type "POC-2" Oil Engine Air Compressors for 100 pounds pressure are built in a wide range of sizes and have piston displacements up to 900 cubic feet per minute.



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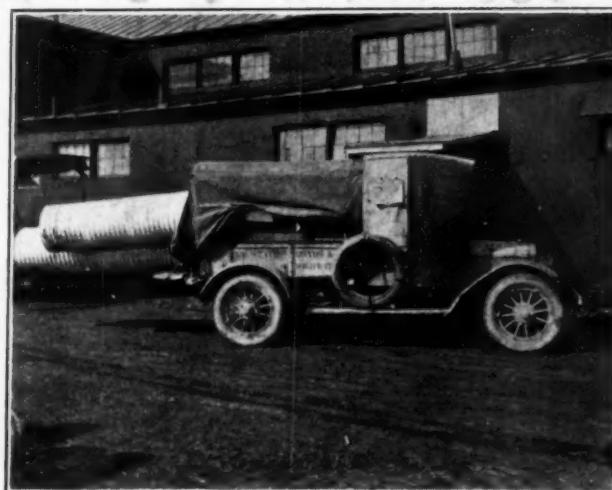
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76-SOE

# A STORY IN PICTURES



*"The Failure"*



*"To the Rescue"*



*"Digging up the Remains"*



*"The Replacement"*

The superiority of Newport corrugated "Genuine Open Hearth Iron" Culvert over vitrified clay or concrete pipe is shown by the call which came to our office recently from the State Highway Department of Kentucky.

About two miles north of the town of Falmouth, Kentucky, on the Dixie Highway, a vitrified clay pipe failed. Quick action was necessary. No time for experiments. The engineer in charge of the road knew where he could get results both in service and material for per-

manent installation. The pictures tell the story.

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**THE  
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